THE UNIVERSITY

OF

NORTH CAROLINA

THE ONE HUNDRED
AND TENTH SESSION

THE CATALOGUE

1904-1905

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CALENDAR.

1905.

September 11-16.	*Monday to Saturday.* Examinations for Removal of Conditions.
September 11, 12, 13.	*Monday, Tuesday, Wednesday.* Examinations for Admission into the College. Registration.
September 14.	*Thursday.* Lectures begin.
October 12.	*Thursday.* UNIVERSITY DAY.
November 23.	*Thursday.* THANKSGIVING DAY.
December 22.	*Friday.* Christmas Recess begins.

1906.

January 2, 3, 4.	*Tuesday, Wednesday, Thursday.* Registration.
January 4.	*Thursday.* Lectures begin.
February 22.	*Thursday.* WASHINGTON'S BIRTHDAY.
May 1.	*Tuesday.* Selection of Commencement Orators.
May 15.	*Tuesday.* Last Day for the Delivery of Graduating Theses at the Registrar's Office.
June 3.	*Sunday.* Baccalaureate Sermon.
	Sermon before the Y. M. C. A.
June 4.	*Monday.* Inter-Society Banquet and Reunions.
June 5.	*Tuesday.* Senior Class Day.
	Address to the Alumni.
	Meeting of the Board of Trustees.
	Inter-Society Debate.
June 6.	*Wednesday.* COMMENCEMENT DAY.
	SUMMER VACATION begins.
June 13.	*Wednesday.* Summer School for Teachers begins.
	Summer Law School begins.
September 10-15.	*Monday to Saturday.* Examinations for Removal of Conditions.

THE UNIVERSITY.

FOUNDATION AND GOVERNMENT. The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of Section XLI declared that "all useful learning shall be duly encouraged, and promoted in one or more universities." The Charter was granted by the General Assembly in 1789, the corner stone of the Old East Building was laid in 1793 and the University was opened in 1795.

The title, preamble and first section of the Act of incorporation are as follows:

"An Act to establish a University in this State.

"WHEREAS in all well regulated Governments, it is the indispensable Duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honourable Discharge of the social Duties of Life, by paying the strictest Attention to their Education: And whereas an University supported by permanent Funds, and well endowed, would have the most direct Tendency to answer the above Purpose:

"I. *Be it therefore enacted by the General Assembly of the State of North Carolina, and it is hereby enacted by the Authority of the Same,* That, *Samuel Johnston, James Iredell, Charles Johnson, Hugh Williamson, Stephen Cabarrus, Richard Dobbs Spaight, William Blount, Benjamin Williams, John Sitgreaves, Frederick Hargett, Robert Snead, Archibald Maclaine,* Honourable *Samuel Ashe, Robert Dixon, Benjamin Smith,* Honourable *Samuel Spencer, John Hay, James Hogg, Henry William Harrington, William Barry Grove,* Reverend *Samuel M'Corkle, Adlai Osborne, John Stokes, John Hamilton, Joseph Graham,* Honourable *John Williams, Thomas Person, Alfred Moore, Alexander Mebane, Joel Lane, Willie Jones, Benjamin Hawkins, John Haywood,* senior, *John Macon, William Richardson Davie, Joseph Dixon, William Lenoir, Joseph M'Dowell, James Holland* and *William Porter,* Esquires, shall be and they are hereby declared to be a Body politic and corporate to

be known and distinguished by the name of *The Trustees of the University of* North Carolina;* and by that name shall have perpetual Succession and a common Seal; and that they the Trustees and their Successors, by the Name aforesaid, or a Majority of them, shall be able and capable in Law to take, demand, receive and possess all Monies, Goods and Chattels that shall be given them for the Use of the said University, and the same apply according to the Will of the Donors, and by Gift, Purchase or Devise to take, have, receive, possess, enjoy and retain to them and their Successors forever, any Lands, Rents, Tenements and Hereditaments, of what Kind, Nature or Quality soever the same may be, in special Trust and Confidence that the same or Profits thereof shall be applied to and for the Use and Purpose of establishing and endowing the said University."†

The University is governed by a board of trustees elected by the Legislature, and is free from sectional, sectarian, or political control. The Governor of the State is *ex-officio* President of the Board of Trustees.

Article IX of the Constitution of 1876 contains the following provisions regarding the University:—

"SEC. 6. The General Assembly shall have power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof, in anywise granted to or conferred upon the Trustees of said University; and the General Assembly may make such provisions, laws and regulations from time to time as may be necessary and expedient for the maintenance and management of said University.

"SEC 7. The General Assembly shall provide that the benefits of the University, as far as practicable be extended to the youth of the State free of expense for tuition; also that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University."

LOCATION. The seat of the University is Chapel Hill, Orange county, twenty-eight miles northwest of Raleigh. Two daily passenger trains run between Chapel Hill and University Junction, a station on the North Carolina Railroad. The site for the institution was selected because of its

* The corporate name has been changed to The University of North Carolina.

†Laws of the State of North Carolina, published by James Iredell, Edenton, MDCCXCI.

healthfulness, its freedom from malaria, its supply of pure water, its beautiful scenery, and its central location in the State.

EQUIPMENT. The University campus contains forty-eight acres of land, affording ample grounds for buildings and for all sorts of athletic sports. The University owns, contiguous to the campus, five hundred acres of forest land, which is partly laid off in walks and drives. The University has eighteen buildings.

The South Building contains two lecture rooms and thirty living rooms.

The Old East Building contains two lecture rooms and twenty-eight living rooms.

The Old West Building contains two lecture rooms, the Historical Museum, and twenty-seven living rooms.

Person Hall contains the Chemical Laboratory, Museum, and a lecture room.

Gerrard Hall is used for morning prayers, for the meetings of the Young Men's Christian Association, and for public lectures.

Smith Hall contains the University Library and the reading rooms.

The New West Building contains the Dialectic Literary Society's Hall, the Pharmaceutical Laboratory, two lecture rooms, and nine living rooms.

The New East Building contains the Philanthropic Literary Society's Hall, the Biological Laboratory and Museum, the Geological Laboratory and Museum, the Physiological Laboratory, the offices of the North Carolina Geological Survey, and three lecture rooms.

Memorial Hall commemorates the illustrious dead of the University. It is used at Commencement for public exercises.

The Alumni Hall contains the offices of administration, the Physical Laboratories and ten lecture rooms.

The Carr Building, the gift of Gen. J. S. Carr, contains forty-two living rooms with every modern convenience.

The Mary Ann Smith Building contains forty living rooms of the most modern type.

The William Preston Bynum, Jr., Gymnasium is the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893. It is furnished with modern apparatus, swimming pool, baths, lockers running track; and contains a trophy room and the office of the Instructor in Physical Training.

The Young Men's Christian Association Building, now in process of construction, will soon be finished, and will give greater efficiency to the valuable work already being done by the Association.

The Dissecting Hall, for the use of the Medical School, is apart from the other buildings.

The Infirmary contains five rooms which are properly furnished for the care and treatment of the sick

Commons is the dining hall of the University. The whole enterprise was made possible through the beneficence of Mrs Frederick Baker, of New York. Board is furnished at eight dollars a month. Students wait upon the tables, and do other kinds of work, for which they receive their board.

The Power House contains the electric lighting plant, the central heating plant, filter and pumps of the system of water supply, and the rooms of the University Press.

The general equipment has been improved by a thorough system of sewers and baths, a supply of pure water in all the buildings, and hot water in all the offices, recitation rooms and living rooms.

College Year. The College year begins on the second Thursday in September. Commencement is held on Wednesday before the first Thursday in June. The Summer vacation begins at Commencement Day and ends on the Wednesday before the second Thursday in September. There is a Christmas recess of about ten days. The twelfth of October (University Day), Thanksgiving Day, and the twenty-second of February (Washington's Birthday) are holidays.

Degrees. The degrees of Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Doctor of Philosophy, Doctor of Medicine, Bachelor of Laws, and Graduate in Pharmacy are conferred by the vote of the Trustees, after the recommendation of the Faculty, upon candidates who have satisfied the requirements of residence and study at the University. Students who are not candidates for a degree may elect any studies they wish, devoting their time entirely to one or two subjects, or selecting groups of such subjects as suit their tastes and purposes.

Graduate Students. Free instruction is given in the College to graduates of colleges and universities. Women are admitted to the higher courses of the University.

Physical Training. Hearty encouragement is given to athletic sports and to all kinds of physical culture. The athletic field furnishes ample facilities for football and baseball. The Lake Track is admirably adapted for running, bicycling, and general track athletics. Fifteen tennis courts are located on the campus. Systematic exercise in the Bynum Gymnasium under a skilled instructor is required of all students in the College, except Seniors.

General Culture The University endeavors to furnish such general culture outside the lecture rooms and laboratories as will broaden the minds and sympathies of young men.

Religious Culture. Prayers are conducted in Gerrard Hall, with the reading of the scriptures and singing, every weekday morning except Saturday, at 8:30 o'clock. Attendance at this service is required of all members of the College, unless specially excused. Bible classes for young men are taught in each of the four churches of the village every Sunday. Religious exercises are held twice a week, or oftener in each church. A series of sermons is delivered annually by the University Preachers, chosen by the Trustees from the various denominations Bible lectures are delivered every Sunday morning in Gerrard Hall. The Young Men's Christian Association meets three times a week, for prayer and other services, and conducts a series of Bible courses, which are numerously attended by the students.

Discipline. The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend, or dismiss students for neglect of duty or for misconduct.

Medical Attendance. On the payment of a small annual fee, each student receives the careful attention of the University Physician. In this way the best medical advice is to be had at the least cost.

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*The legal term of office expires November 30 of the year indicated.

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* Absent on leave, 1904-05.
† Resides at Raleigh, N. C.

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AUDITING. Professors Toy, Cain, Latta.

ATHLETICS. Professors Mangum, Coker; Mr. MacRae.

CATALOGUE. Professors Toy, Howe, T. J. Wilson; Mr. Stacy.

COMMONS. Professors Toy, Williams; Mr. McKie.

LIBRARY. Professors Alexander, Raper, Smith, Graham.

RECORD. Professors Alexander, Smith, Henderson.

PROFESSIONAL SCHOOLS. Deans MacRae, Whitehead, Howell.

UNIVERSITY MAGAZINE. Professors Cobb, Hume, McBryde; Mr. Bernard.

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THE COLLEGE.

REQUIREMENTS FOR ADMISSION.

Admission into the Freshman Class.

Candidates for admission into the Freshman Class are received by examination or by certificate. Entrance examinations are held in September. Students who present certificates of work accomplished at preparatory schools or colleges, may be admitted without examination, provided that the certificates are approved. The right to examine, however, is reserved, when such a course is deemed necessary.

Certificates must be made out on the printed forms furnished on application to the Registrar, and must be deposited with that officer, properly approved, before the work can be officially credited.

Subjects Accepted for Entrance.

Eight subjects may be offered for entrance to the University. Applicants for admission to the course leading to the bachelor's degree are required to offer five or six of these subjects, according to the group of studies to be pursued after admission.

The requirements in each of these eight subjects are as follows:—

1. GREEK. Three books of Xenophon's Anabasis, with questions on the more usual forms and constructions; simple narrative in English, based upon Xenophon's Anabasis, to be translated into Greek.

2. LATIN. Two books of Caesar's Gallic War; four orations of Cicero; six books of Vergil's Aeneid; Latin Grammar, including prosody; simple narrative in English, based upon the prose read, to be translated into Latin.

3. *ENGLISH. I. Grammar. Elements of Rhetoric.

II. Literature.

(*a*) For reading:—Shakspere's The Merchant of Venice and Julius Cæsar; The Sir Roger de Coverley Papers in The Spectator; Goldsmith's The Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

(*b*) For study and practice:—Shakspere's Macbeth; Milton's L'Allegro, Il Penseroso, Comus and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

The candidate is expected to have sufficient knowledge of the books grouped under (*a*) to enable him to answer general questions on their substance. The form of the examination will be the composition of paragraphs on a number of topics connected with the works. The ability of the candidate to express his ideas in clear accurate English is a main consideration. No applicant should present himself who is notably deficient in spelling, grammar or paragraphing. Under group (*b*) are enumerated the works that are to be carefully studied. The questions will be upon subject matter and structure.

4. HISTORY. Either of the following courses:

(*a*) The histories of the United States, Greece and Rome as outlined in the best text books for high schools.

(*b*) The histories of the United States and England as outlined in the best text books for high schools.

5. MATHEMATICS. A good working knowledge of Arithmetic, including fundamental operations (particularly on common and decimal fractions), compound numbers, percentage, interest and extraction of square root. Problems that are much more easily solved by Algebra are not included here. The whole of a high school Algebra and a college Algebra to quadratics. The first three books of Plane Geometry.

6. GERMAN. A thorough knowledge of the inflections, including the most common strong verbs; acquaintance with the ordinary laws of German syntax; such facility in translation as is gained by a careful study of at least 150 duodecimo pages of ordinary modern German prose; ability to translate into German simple sentences based on the passage assigned for examination; accurate pronunciation.

* These requirements are uniform with those of the leading colleges in the United States.

7. French. Similar to the requirements stated for German, save that the applicant should have read at least 200 duodecimo pages of ordinary modern French prose.

It is recommended that the preparation for the entrance examinations in German and French be extended over two full school years, with four recitation periods per week, so as to allow time for short lessons with dictation exercises, oral practice and frequent reviews.

8. Physics. The whole of an elementary course such as is contained in Carhart and Chute's High School Physics or its equivalent, embracing the work of at least one session of nine months.

Grouping of Subjects.

All candidates for admission to the Freshman Class must offer preparation in Mathematics, in English, in History, and in addition, in the subjects designated in one of the following groups:

Group 1. Latin; Greek.

Group 2. Latin or Greek; French or German; Physics.

Group 3. French; German; Physics.

When applicants have had no preparation in Greek or in French or in German or in Physics, the requirement may be satisfied by pursuing the corresponding courses in College. But these studies will not then be counted as any part of the requirement for the bachelor's degree.

Examinations.

All candidates for admission into the Freshman Class must assemble in Gerrard Hall at 9 A. M. *Monday, September 11, 1905,* for preliminary registration. They will there be assigned to rooms for examination.

Order of Examinations.

Monday, September 11.

10 A. M.–1 P. M.	Latin.	3–5 P. M	History.

Tuesday, September 12.

10 A. M.–1 P. M.	Mathematics.	3–5 P. M.	English.

Wednesday, September 13.

10 A. M.–1 P. M.	Greek and Physics.	3–5 P. M.	French and German.

Arrangements have been made with certain schools in the State whereby examinations for admission may be held in May also, at the schools.

A student who fails to pass in any subject required for admission will be conditioned in that subject. Such conditions must be removed before the beginning of the Sophomore year. He will receive no final mark in the May examination of the Freshman year in the department in which such condition occurs until the condition is removed. Nor will he be admitted to the work of the Sophomore year in any department until all entrance conditions are removed.

Admission to Advanced Standing.

A candidate for advanced standing may be admitted to the Sophomore, Junior, or Senior class, with or without complete examination. He is subject not only to the examinations required of candidates for admission into the Freshman Class, but to special examinations both in all the required studies already pursued by the class which he desires to enter, and in as many elective studies as would have been required of him as a member of that class. When satisfied with the apparent fitness of the candidate, the examining committee may, in spite of his deficiencies in some studies, admit him to an advanced class; but a candidate so admitted is not recommended for the degree until his deficiencies are made good. The examining committee may accept also, with proper restrictions, the official report of work satisfactorily completed at a college or university of good standing, in place of an examination upon such previous work.

A candidate for advanced standing should present himself for examination on the same days and at the same hours with candidates for admission into the Freshman Class.

Admission of Students not Candidates for a Degree.

A student who desires to pursue a course of study, without becoming a candidate for a degree, may be admitted into the College upon the presentation of a certificate from the college or university last attended, or by passing satisfactory examinations on at least three subjects required for entrance. English must be one of the subjects offered. A candidate so admitted enjoys the same privileges as other members of the College, and is subject to the same regulations.

COURSE LEADING TO THE DEGREE OF BACHELOR OF ARTS.

In order to be recommended for the Bachelor's degree, the student must have passed satisfactory examinations in all the studies required in one of the groups prescribed for the Freshman and Sophomore years, and in a number of elective studies during the Junior and Senior years sufficient to amount to an average of fifteen hours of lecture or recitation per week for each of these years. Duly approved certificates of work accomplished at other colleges or universities will be credited without examination.

The group of studies selected for the Freshman and Sophomore years must correspond to the group of subjects offered for entrance.

Freshman Year.

GROUP 1. English 1 (3)*; Mathematics 1 (4); Greek 1 (4); Latin 1 (4).

GROUP 2. English 1 (3); Mathematics 1 (4); Greek 1 (4) or Latin 1 (4); German 2 (3) or French 2 (3); German 1 (3) or French 1 (3) or History 1 (3).

GROUP 3. English 1 (3); Mathematics 1 (4); German 2 (3) or French 2 (3), and six hours from the following: Spanish 1 (3); History 1 (3); Geology 1 (3).

Sophomore Year.

GROUP 1. English 2 (3); Greek 2 (3) or Latin 2 (3); and six hours from the following: Greek 2 (3); Latin 2 (3); German 1 (3); French 1 (3); and three hours from the following: Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3).

GROUP 2. English 2 (3); and six hours from the following: Greek 2 (3); Latin 2 (3); German 2 (3); French 2 (3); German 1 (3); French 1 (3); and six hours from the following: Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3).

* Numerals in parentheses indicate the number of hours per week in each study.

GROUP 3. English 2 (3); Mathematics 2 (3); Chemistry 1 (3); Physics 1 (3); and three hours from the following: German 2 (3); French 2 (3); Geology 3 (3); Zoology 1 (3).

Junior Year.

ELECTIVE STUDIES amounting to fifteen hours per week, of which at least one study must be taken from each of the following groups:

GROUP 1. English, Greek, Latin, German, French, Spanish, Italian.

GROUP 2. History, Philosophy, Economics, Pedagogy.

GROUP 3. Mathematics, Physics, Chemistry, Biology, Geology.

Senior Year.

ELECTIVE STUDIES amounting to fifteen hours per week, subject to the condition stated above for the Junior Year.

The elective studies are those outlined in the *Courses of Instruction* (p. 29 ff.) and not included in the studies designated as required in Groups 1, 2 or 3 of the Freshman and Sophomore years. Students are urgently advised to select definite lines of study on the principle of continuity and symmetry.

The selection made must in each case be submitted to the Dean of the Faculty for approval.

COURSES FOR STUDENTS NOT CANDIDATES FOR THE DEGREE.

Elective studies may be selected by students who are unable to complete a course leading to the degree. Students intending to pursue these elective studies must prove their qualifications according to the regulations on page 25. After satisfying these entrance requirements, they may elect such studies as they are qualified to pursue. These elective studies may be arranged as preparatory to teaching or to the study of law or medicine.

For students intending to teach, the following course is suggested:

First Year: English 1, Mathematics 1, History 1, Pedagogy 1, 2 and 5; one study from the following group: Latin 1, Greek 1, French 1, German 1.

Second Year: English 2, Physics 1 or Chemistry 1, Pedagogy 2, 4 and 6. Electives amounting to a total of six hours from the following group: German, French, Greek, Latin, Mathematics, Geology, Physiology, History.

COURSES OF INSTRUCTION.

Greek.

EBEN ALEXANDER, PH.D., LL.D., *Professor of the Greek Language and Literature.*

WILLIAM STANLY BERNARD, A.M., *Instructor in Greek.*

Professor ALEXANDER and Mr. BERNARD.

A. A course for students who have had no opportunity of studying Greek in the preparatory schools. An Introductory Book. Babbitt's Greek Grammar. Xenophon's Anabasis. *Four hours.*

Can be counted only for entrance to Group 1.

1. Homer's Iliad, books I., II. and III. Review of important grammatical principles. Lysias, selected speeches. Reading at sight. *Four hours.*

2. Plato, Apology and Crito; Aristophanes, Clouds; Euripides, Alcestis. Reading at sight. Lectures on Greek Literature. *Three hours.*

3. Prose Composition, elementary course. *One hour.*

Intended as supplementary to Greek 1. Open also to those who are taking Greek 1 or 2.

4. Lectures on old Greek Life. History of Greek Art, text-book and lectures. *Two hours.*

5. Modern Greek. Rangabé's Handbook. Bikélas's Stories. Newspapers. *Two hours (spring term).*

6. Homer, rapid reading of the entire Odyssey. *Two hours.*

7. Greek Drama: Euripides, Iphigenia among the Taurians; Sophocles, Antigone; Aeschylus, Prometheus Bound; Aristophanes, Frogs; Aristotle, Poetics. *Three hours.*

9. Demosthenes, three Philippics. *Two hours (spring term).*

10. Plato, Phaedo. *Two hours (fall term).*

14. The Acts of the Apostles. Translation, comparison of versions, and a study of New Testament grammar and diction. *Two hours (fall term).*

Courses 3, 4, 5, 6, 9, 10, and 14 are open to students who have taken courses 1 and 2.
For courses 8, 11, 12, see *Graduate Department.*
A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and four hours of elective work.

Latin.

GEORGE HOWE, PH.D., *Professor of the Latin Language and Literature.*
THOMAS JAMES WILSON, PH.D., *Associate Professor of Latin.*

Professor HOWE and Associate Professor WILSON.

1. Cicero, De Senectute and De Amicitia; Livy, Book I.; Horace, the Odes and Epodes. *Four hours.*

Associate Professor WILSON.

2. Horace, the Satires and Epistles; Plautus, Captivi; Terence, Phormio; Tacitus, Agricola and Germania. *Three hours.*

3. Latin Prose Composition, based on Cicero and Livy. *One hour.*
Intended as supplementary to Latin 1. Open also to students who are taking Latin 1 or 2.

5. Pliny, selected Letters; Juvenal, Satires; Martial, selected Epigrams. Reading with especial reference to the private life of the Romans at the close of the first century A.D. *Two hours.*

6. Cicero. The philosophical works (De Officiis and Tusculan Disputations). The rhetorical works (Brutus and De Oratore). *Two hours.*
To be omitted in 1905-06.

10. A course for teachers, embracing pronunciation, prosody, the art of reading Latin, and a classification of moods and tenses. *Two hours.*

Professor HOWE.

4. Lucretius, De Rerum Natura; Seneca, moral essays. A comparative

study of the Epicurean and Stoic schools of philosophy. *Two hours.*

To be omitted in 1905-06.

7. The Administration of Rome. Lectures. *Two hours (fall term).* Open also to Sophomores who are taking Latin 2.

8. History of Roman Literature. Lectures. *Two hours (spring term).* Elective under the same conditions as Latin 7.

9. Roman elegiac poets. A detailed study of the lives and rapid reading of selected elegies of Catullus, Tibullus, Propertius and Ovid. *Two hours.*

Courses 4, 5, 6, 9, 10 are open to students who have taken Latin 1 and 2.
For courses 11, 12, see *Graduate Department.*
A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and five hours of elective work.

GERMANIC LANGUAGES AND LITERATURES.

WALTER DALLAM TOY, M.A., *Professor of the Germanic Languages and Literatures.*

THOMAS BRAGG HIGDON, *Assistant in German.*

German.

Professor TOY and Mr. HIGDON.

1. Elementary Course. Grammar. Written exercises. Translation, sight reading, dictation. *Three hours.*

Professor TOY.

2. Advanced Course. Translation. Sight reading. Composition. Grammar. *Three hours.*

German Literature.

3. Schiller: Maria Stuart, Wallenstein's Tod; Goethe: Egmont, Iphigenie auf Tauris; Lessing: Minna von Barnhelm. Lectures on German Literature. *Three hours.*

Open only to those who have taken courses 1 and 2.

7. Goethe: Goetz von Berlichingen, Tasso, Dichtung und Wahrheit, Gedichte, Faust. *Three hours.*

Germanic Philology.

4. Middle High German. *Three hours.*

Wright's Primer of Middle High German; Paul's Mittelhochdeutsche Grammatik. Bachmann's Mittelhochdentsches Lesebuch. Translation into New High German.

To be omitted in 1905-1906.

5. Old High German. *Three hours.*

Braune's Althochdeutsche Grammatik Braune's Althochdeutsches Lesebuch.

To be omitted in 1905-1906.

6. Gothic. *Three hours.*

Braune's Gotische Grammatik. Heyne's Ulfilas. Introduction to Germanic Philology.

Courses 4, 5, 6 and 7 are open only to those who have completed German 3. For further description of these courses, see *Graduate Department.*

A certificate is granted to students who have completed with credit courses 1, 2 and 3.

ROMANCE LANGUAGES AND LITERATURES.

James Dowden Bruner, Ph.D., *Associate Professor of the Romance Languages and Literatures.*

Thomas Bragg Higdon, *Assistant in French.*

William Picard Jacocks, A.B., *Assistant in French.*

French.

Associate Professor Bruner and Messrs. Higdon and Jacocks.

1. Elementary Course. Grammar. Pronunciation. Written exercises. Rapid reading of easy prose. Reading at sight. *Three hours.*

Associate Professor Bruner.

2. The History of French Literature in the Nineteenth Century. Rapid

reading of representative novels and dramas. Collateral reading. *Three hours.*

3. The History and Theory of French Tragedy. Rapid reading of the tragedies of Corneille, Racine, Voltaire, and Victor Hugo. Constant reference, for purposes of comparison, to other great tragedies, both ancient and modern. Lectures and discussions. *Three hours.*

   Open to those who have completed course 2 or its equivalent.

4. The History and Theory of French Comedy. Rapid reading of the comedies of Moliere, Regnard, Marivaux, and Beaumarchais. Constant reference, for purposes of comparison, to other great comedies, both ancient and modern. Lectures and discussions. *Three hours.*

   Open to those who have completed course 2 or its equivalent.
   To be omitted in 1905-06.

5. Old French Language and Literature, with special reference to the French element in English. Rapid reading of old French texts. Lectures on the history of French sounds and inflections. *Two hours.*

   Open only to those who have completed courses 2 and 3 or 4.
   To be omitted in 1905-06.
   For course for graduates, see *Graduate Department.*
   A certificate is granted to those who have completed with credit courses 1, 2 and 3 or 4 or 5.

Spanish.

Associate Professor BRUNER.

1. Elementary Course. Grammar. Pronunciation. Written exercises. Rapid reading of prose. Reading at sight. *Three hours.*

   To be omitted in 1905-06.

Italian.

Associate Professor BRUNER.

1. Elementary Course. Grammar. Pronunciation. Reading of easy prose. Reading and interpretation of Dante's Divine Comedy, partly in the original and partly in English. *Three hours.*

ENGLISH.

THOMAS HUME, D.D., LL.D., *Professor of English Literature.*

CHARLES ALPHONSO SMITH, PH.D., *Professor of the English Language.*

*EDWARD KIDDER GRAHAM, A.M., *Associate Professor of the English Language.*

JOHN MCLAREN MCBRYDE, PH.D., *Associate Professor of the English Language.*

GEORGE MCFARLAND MCKIE, *Instructor in Expression and in English.*

EDGAR DAVID BROADHURST, PH.B., *Assistant in English.*

English Language.

Messrs. MCKIE and BROADHURST.

1. Rhetoric and Composition. The elements of effective prose composition, with the preparation and criticism of themes. *Three hours.*

   Newcomer's *Elements of Rhetoric.*

Associate Professor MCBRYDE.

2. (*a*) Advanced Composition. This course is supplementary to course 1. Expository and argumentative theme writing. *Three hours (fall term).*

   Baldwin's *College Rhetoric*, and Specimens.

   (*b*) A rapid survey of English Literature. *Three hours (spring term).* Brooke's *English Literature* and George's *Chaucer to Arnold.*

Professor SMITH.

4. (*a*) Essays and (*b*) Orations. Lectures on the essay and the oration as forms of discourse. Representative essays and orations read and analyzed. Construction of essays and orations. *Three hours.*

   (*a*) Lobban's *English Essays*, Cody's *Selection from the Best English Essays.* (*b*) Ringwalt's *Modern American Oratory*, Frink's *New Century Speaker*, Swift's *Great Debate Between Hayne and Webster*, George's *Burke's Speeches on the American War*, George's *Select Speeches of Webster.*

6. Introductory Course in (*a*) Old English, (*b*) Middle English, and (*c*) English Philology. *Three hours.*

* Absent on leave, 1904-05.

(*a*) Smith's *Old English Grammar and Exercise Book* (4th edition). (*b*) Mather's edition of *Chaucer's Prologue, Knight's Tale*, and *Nun's Priest's Tale*, Morris and Skeat's *Specimens of Early English* (Part II.). (*c*) Lectures on the beginnings of English Philology; Grimm's Law, Verner's Law, and the Law of Analogy.

14. Fifteenth Century English, Prose and Verse. *Two hours.*

Skeat's *Specimens of English Literature from A.D. 1394 to 1579* (first hundred pages), Mead's *Selections from Sir Thomas Malory's Morte d'Arthur*, Baldwin's *Inflections and Syntax of the Morte d'Arthur*, Browne's edition of *The Taill of Rauf Coilyear*, Gummere's *Old English Ballads*, Pollard's *English Miracle Plays*, and Pollard's *Fifteenth Century Prose and Verse.* The lectures will discuss the place of the fifteenth century in literary history, the influence of the Scotch dialect, and the changes that the language underwent between Chaucer and Spenser.

Open to those who are taking or have taken course 6.

For courses 7 and 12, see *Graduate Department.*

English Literature.

Associate Professor McBryde.

3A. History and Development of English Literature. Required reading. Reports. *Two hours.*

Professor Hume.

3. Poetics. The forms of poetry discussed and representative works studied. *Two hours.*

5. Shakspere. *Two hours.*

9. The Rise and Progress of the Drama from the Miracle Plays to Shakspere. *Two hours.*

11. The Literary Study of the Bible. Critical survey of Job, the Psalms, Proverbs, Ecclesiastes, Isaiah. Influence of the Bible on literary development and form. *Two hours.*

13. The Development of Fiction from the Greek Romances to Scott. Eighteenth Century Romanticism. *Two hours.*

Professor Smith.

15. A comparative study of Tennyson and Browning. *Two hours.*

A study of Browning's complete works, with Tennyson as parallel reading. Critical essays, with reports on sources and bibliography.

Associate Professor GRAHAM.

16. English Poetry in the First Half of the Nineteenth Century. *Two hours.*

The work of Wordsworth, Coleridge, Scott, Byron, Shelley and Keats will form the chief subject matter for this course. The method pursued will be a combination of lectures, recitations and written reports.
To be given in 1905-06. A similar course has been given in 1904-05 by Associate Professor McBryde.

Courses 5, 9, 11, 13, 15 and 16 are open only to those who have taken English 3A or English 3.
For courses 8 and 10, see *Graduate Department.*
A certificate is granted to a student who has completed courses 1-6 and one additional elective course.

Expression.

Mr. MCKIE.

1. Declamation. Theory and practice. Voice culture and gesture. *Two hours.*

2. Theory of debate. Argumentation. Analysis of debates. Preparation of briefs. Practice in debating. *Two hours.*

Open to those who have completed course 1.

PHILOSOPHY.

HENRY HORACE WILLIAMS, A.M., B.D., *Professor of Philosophy.*

1. Psychology. Lectures, with text books. *Three hours.*

2. Logic. Lectures, with text-books. The study of logic in life. *Two hours.*

3. Ethics. Criticisms and discussions. *Two hours.*

4. Philosophy. Lectures. Theses. Study of the forces that shape life. *Three hours.*

For course 5, see *Graduate Department.*

HISTORY.

KEMP PLUMMER BATTLE, LL.D., *Alumni Professor of History.*

CHARLES LEE RAPER, PH.D., *Associate Professor of History.*

MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

Professor NOBLE.

1. American History. A general course. Text and source-book. *Three hours.*

Associate Professor RAPER.

2. Mediæval European History. A general course covering the period 400–1648. Text-books, readings and lectures. *Two hours.*
   To be omitted in 1905-06.

4. Modern European History. A general course covering the period 1648–1900. Text-books, readings and lectures. *Two hours.*
   Given in alternate years. To be omitted in 1905-06.

Professor BATTLE.

5. English Constitutional History. A general course dealing largely with the constitutional and legal aspects. *Three hours.*

6. North Carolina History. The political and constitutional development of the Colony and the State. Lectures. Theses on assigned topics required. *Two hours.*

7. Constitutional History. A general survey of the history and principles of the constitutions of the leading nations, ancient and modern. A special study of the Constitution of the United States, with the principal judicial decisions thereon. Also lectures on the leading principles of International Law. *Three hours.*

8. Bible History. Lectures each Sunday morning at the instance of the Young Men's Christian Association.
   a) Old Testament Characters.
   b) New Testament Characters.
   Not counted for a degree.

9. Historical Seminary. Original research in the history of the United

States and of North Carolina during the national and state period. Weekly reports required. *Two hours.*

Open to Seniors who have passed on at least eight hours in history.

Associate Professor RAPER.

10. American Colonial History. Lectures and research in the history of the English Colonies in North America *Two hours.*

Open to Seniors who have passed on at least eight hours in history. Given in alternate years. To be given in 1905-06.

A certificate is granted upon the completion of courses 1, 5, 6, 7 and 9, or any thirteen hours.
For courses 11, 13 and 14, see *Graduate Department.*

ECONOMICS AND FINANCE.

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics.*

1. A general study of the production and consumption of wealth. A special study of land, labor, capital and organization as factors in the production of wealth. Marshall's *Principles of Economics*, lectures and readings. *Two hours.*

2. Public Finance. A general study of the principles of public expenditures and revenues, and of the relation of the State to industries. A special study of taxation and the tariff. Adams' *Science of Finance*, lectures and readings. *Two hours.*

3. The history of industrial life in England and the United States. Lectures, readings and reports. *Two hours.*

Open to Seniors.
To be omitted in 1905-06.

4. Money and Banking. A general course in the principles, functions and forms of money and banking. A special study of current monetary problems. Scott's *Money and Banking.* Dunbar's *Theory and History of Banking* (2nd edition), lectures and readings. *Two hours.*

5. Transportation. A general study of the principles and forms of the modern system of transportation. A special study of the Ameri-

can railway system and its influence upon industrial life. Textbook, lectures and readings. *Two hours* (*fall term*).

6. Labor. Labor as a factor in the production of wealth. Wages. Labor problems. Labor unions. Labor legislation. Lectures and readings. *Two hours* (*spring term*).

The Economics Society meets twice a month for the discussion of important current industrial questions.
A certificate is granted upon completion of courses 1, 2, 3, 4, 5 and 6.
For courses for graduates, see *Graduate Department*.

MATHEMATICS.

WILLIAM CAIN, C.E., *Professor of Mathematics*.
ARCHIBALD HENDERSON, PH.D., *Associate Professor of Mathematics*.
MARVIN HENDRIX STACY, A.M., *Instructor in Mathematics*.
NATHANIEL CORTLANDT CURTIS, PH.B., S.B., *Instructor in Drawing*.

Associate Professor HENDERSON and Mr. STACY.

1. Algebra, from Quadratics to Determinants (Wentworth's *College Algebra*). Geometry from Book IV. through Solid Geometry (Wells's *Essentials*). Plane Trigonometry and Logarithms (Ashton and Marsh). *Four hours*.

Professor CAIN.

2. Brief Course in Conic Sections (Ashton's *Analytic Geometry*). Elementary Course in Differential and Integral Calculus. *Three hours*.

The very elementary course in the Calculus is intended especially for students in the engineering courses.

Associate Professor HENDERSON.

3. Elementary Mechanics (Loney). Surveying (Raymond). *Three hours*.

Mr. STACY.

3A. Higher Algebra (Charles Smith). *Three hours*.
Prerequisite: Mathematics 1.

Mr. CURTIS.

3B. Graphics (Descriptive Geometry, Shades, Shadows and Perspective). *Two hours*.

Professor CAIN.

4. Differential and Integral Calculus (Gibson). *Three hours.*

Prerequisite: brief course in Conic Sections (fall term of Mathematics 2).
The needs of students in both pure and applied Mathematics are consulted here.

5. Burnside and Panton's Theory of Equations. *Three hours.*

Prerequisite: Mathematics 2.

Associate Professor HENDERSON.

6. Differential Equations (Murray). *Three hours.*

Prerequisite: Mathematics 4.

7. Analytic Mechanics (Bowser). *Three hours.*

Prerequisite: Mathematics 4.

7A. Hydraulics (Merriman). *Three hours.*

Prerequisite: Mathematics 7.

Professor CAIN.

8. Mechanics of Materials, Stresses in Structures. *Three hours.*

Prerequisite: Mathematics 7.

10. Graphical Statics, Arches, Higher Surveying. *Three hours.*

Prerequisite: Mathematics 3 and 8.

A certificate is granted to students who have completed, with high grade, courses 1, 2 and 4.
For courses 12, 13, 14, 15, 16, see *Graduate Department.*

Drawing and Architecture.

Mr. CURTIS.

1. Freehand Drawing. *Two hours.*

2. Mechanical and Topographical Drawing. *Two hours.*

3. Mechanical Drawing. *Three hours.*

4. Elements of Architecture. *Two hours.*

Courses 1 and 4 are elective to Juniors and Seniors.

PHYSICS.

*Joshua Walker Gore, C.E., *Professor of Physics.*
James Edward Latta, A.M., *Associate Professor of Physics.*
Gustavus Chambers Crawford, A.M., *Associate Professor of Physics.*
Albert Whitehead Latta, Ph.B, *Assistant in Physics.*

Associate Professor Crawford.

Elementary Physics. Lectures with text-book. Weekly written reviews. *Three hours.*

A course for students who have not satisfied the entrance requirement in Physics, and for students in Medicine and Pharmacy.

Associate Professor Latta.

1. General Physics. Lectures with text-book. Laboratory work. *Three hours.*

   Preparation required: Mathematics 1.

2. Advanced Physics. Mechanics. Lectures, recitations and problem work. *Two hours (fall term).*

   Preparation required: Physics 1 and Mathematics 2.

3. Advanced Physics. Heat and Light. Lectures, recitations and problem work. *Two hours (spring term).*

   Preparation required: Physics 1 and Mathematics 2.

Associate Professor Crawford.

4. A general study of Electricity and Magnetism, with laboratory work. Direct current dynamos and motors, with testing and study of typical forms in the laboratory. *Three hours.*

   Preparation required: Physics 1 and Mathematics 2.

Associate Professor Latta.

5. Descriptive Astronomy. A general course. Lectures with text-book. Observations with telescope. *Two hours.*

   Preparation required: Physics 1 and Mathematics 1.

Associate Professor Crawford.

6. Thermodynamics. *Three hours.*

* Absent on leave, 1904-05.

This study is based on Edser's *Heat for Advanced Students*, Ewing's *Steam and Other Heat Engines* and Peabody's *Thermodynamics of the Steam Engine.*

Preparation required: Physics 1 and Mathematics 2.

Associate Professor LATTA.

7. Alternating Currents and Alternating Current Machinery. *Four hours.*

Text-books: Franklin and Williamson's *Alternating Currents* and Bedell and Crehore's *Alternating Currents.* Lectures and problem work. Testing and study of alternating current machines in the laboratory.

Preparation required: Physics 1 and 4.

8. Primary and Secondary Batteries. Electric Lighting. *Two hours (fall term).*

Preparation required: Physics 1.

9. Electric Power Transmission. *Two hours (spring term).*

Preparation required: Physics 7.

A certificate is granted to students who have completed courses 1, 2, 3, 4 and 5.

For courses for graduates, see *Graduate Department.*

CHEMISTRY.

FRANCIS PRESTON VENABLE, PH.D., D.Sc., LL.D., *Professor of Theoretical Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

JAMES EDWARD MILLS, PH.D., *Associate Professor of Chemistry.*

ROYALL OSCAR EUGENE DAVIS, PH.D , *Instructor in Physical Chemistry.*

WILLIAMS MCKIM MARRIOTT, S.B., *Assistant in Chemistry.*

WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

EDGAR EUGENE RANDOLPH, A.B., *Assistant in Chemistry.*

Professor VENABLE and DR. DAVIS.

1. General Descriptive Chemistry. Lectures with laboratory work. A study of the elements and their compounds, including an introduction to organic Chemistry. *Three hours.*

Associate Professor MILLS.

2. Technical Chemistry.

(a) Industrial and Agricultural Chemistry. Glass-making, acids, alkalies, phosphates, fertilizers, foods, clothing, hygiene, etc. *Three hours (fall term).*

(b) Metallurgy. Mining, treatment of ores, smelting, chlorination, fuel, building materials, etc. *Three hours (spring term).*

Prerequisite: Chemistry 1.

Associate Professor WHEELER, Mr. MARRIOTT and Mr. RANDOLPH.

3. Qualitative Analysis. Laboratory work with lectures. *Two hours.* May be taken with Chemistry 1.

Associate Professor MILLS.

4. Quantitative Analysis and Assaying. Laboratory work, lectures and stoichiometric exercises. A grounding in analytical methods. *Three hours.*

Prerequisite: Chemistry 1 and 3.

Associate Professor WHEELER.

5. Organic Chemistry. Lectures. *Two hours.* Laboratory work. *One or three hours.*

One or two hours may be devoted to experimental work in some special group, as the cellulose, the terpene, the pyridine or the alkaloid.

May be taken with Chemistry 4. Prerequisite: Chemistry 1 and 3.

Professor VENABLE.

6. The Theories of Chemistry. Lectures. *Two hours.*

Prerequisite: Chemistry 1, 3, 4 and 5.

Dr. DAVIS.

7. Physical and Electro-Chemistry. Lectures and text-books, with laboratory work. Application of electricity to chemical processes. *Three hours.*

May be taken with Chemistry 8. Prerequisite: Chemistry 1–6 inclusive.

Professor VENABLE.

8. Quantitative Analysis. Laboratory work. Gas analysis and extension of course 4 in technical lines. Bacteriological examination of

water (with Professor Manning). Research. *Five hours.*

Prerequisite: Chemistry 1, 3 and 4.

A certificate is granted to a student who has completed all the above courses except course 7, and has submitted a thesis upon some research successfully carried out in the laboratory.

The Journal Club meets once a week. The current journals, American, English, German and French, both the purely scientific and the technical, are reviewed by the students and instructors. Attendance is required of students in all courses except 1 and 3.

For courses 9 and 10, see *Department of Medicine* and *Department of Pharmacy.*

For courses 11, 12, 13, 14 and 15, see *Graduate Department.*

BIOLOGY.

HENRY VAN PETERS WILSON, PH.D., *Professor of Zoology.*

WILLIAM CHAMBERS COKER, PH.D., *Associate Professor of Botany.*

WILLIAM HERBERT KIBLER, *Assistant in Biology.*

ROBERT FREDERICK LEINBACH, *Assistant in Biology.*

WILLIAM GRAY AMICK, *Assistant in Biology.*

HENRY ARDELL ALLARD, *Assistant in Botany.*

Zoology.

Professor WILSON and Assistants.

1. General Zoology. An introductory course giving an outline of the classification and structure of animals, with consideration of the fundamentals of histology, embryology, and physiology, and some consideration of biological theories. Lectures with laboratory work. *Three hours.*

2. Comparative Anatomy and Embryology of the Vertebrates. Study of types of fishes, amphibia, reptiles, birds, mammals. Development of the characteristic vertebrate organs in the frog and chick. Fundamentals of microscopic technique. Laboratory work with occasional lectures. *Three hours.*

3. Comparative Anatomy and Embryology of the Invertebrates. Dissection and microscopic study of types of the chief orders, with some consideration of their embryology. Laboratory work with occasional lectures. *Three hours.*

A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and Botany 1.
For courses for graduates, see *Graduate Department.*

Botany.

Associate Professor COKER and Mr. ALLARD.

1. General Botany. An introduction to the structure and classification of plants. Lectures with laboratory work. *Three hours.*

2. Special Morphology of the Algae and Fungi, with attention to the culture of lower fungi, and the identification of mushrooms. Lectures with laboratory and field work. *Three hours.*

3. Special Morphology of the Mosses, Ferns, and higher plants, with particular consideration of homologies. Lectures with laboratory and field work. *Three hours.*

A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and Zoology 1.
For courses for graduates, see *Graduate Department.*

GEOLOGY AND MINERALOGY.

COLLIER COBB, A.M., *Professor of Geology and Mineralogy.*
JOSEPH AUSTIN HOLMES, S.B., *State Geologist and Professor of Mining Geology.*
JOSEPH HYDE PRATT, PH.D., *Professor of Economic Geology.*
ROBERT GILLIAM LASSITER, *Assistant in Field Geology.*
GEORGE MALLETT MACNIDER, *Assistant in Geology.*
REX WILLIAM PERRY, *Assistant in Geology.*

1. Elementary Geology. Lectures with field work; laboratory work on the common minerals and rocks. *Three hours.*

2. Mineralogy. Lectures with laboratory and field work. Crosby's *Tables* and Dana's *Text-book of Mineralogy.* *Two hours.*

3. General Critical Geology. Lectures with field work; laboratory work on rocks and fossils. Theses. *Three hours.*

4. Economic Geology. Lectures with laboratory and field work. Ore deposits, economic minerals, soils, water supply. *Three hours.*

5. Petrography. Lectures, laboratory work and theses. *Two hours.*

8. Origin and Nature of Soils. Field work, laboratory work and theses. *Three hours (spring term).*

Professor HOLMES.

9. Economic Geology of North Carolina. In these lectures the economic geology of other portions of the Southern Appalachian region is also discussed.

10. Mining in the Southern Appalachian Region. These lectures include a discussion of gold, silver, coal and iron mining.

As supplementary to courses 9 and 10 students are expected to visit the mining regions described.

Professor PRATT.

11. Mineral and Ore Deposits. Lectures supplemented by laboratory and field work. *Twenty-four lectures (spring term).*

12. Principles and Practice in General Mining. Lectures supplemented by visits to different mining regions.

Professor COBB.

13. Advanced Geological Field-Work and Special Research. Study of the Deep River area of the Newark rocks. A brief examination of the Potomac, Eocene, Lafayette and Columbia deposits. *Three hours (one term).*

This course is given in the summer. It covers five weeks, of which one is spent in Chapel Hill with daily meetings; the remaining four weeks are devoted to field-work. Students who take this course will be expected to devote all their time to it.

For courses 6 and 7, see *Graduate Department.*

The Geological Seminary meets fortnightly for review and discussion of current geological literature, and for the presentation of original papers.

A certificate is granted to a student who has completed with credit six courses and presented a thesis showing original research successfully carried out.

PEDAGOGY.

MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

1. The Science of Education. De Garmo's *Essentials of Method.* The practical application of scientific principles to the teaching of elementary branches. A brief study of modern educational problems. *Three hours* (*fall term*).

2. The Art of Teaching. McMurray's *General Method.* A careful study of the principles and methods involved in successfully teaching those studies usually taught in the best public and private primary schools. *Three hours* (*spring term*).

Preparation of model lessons according to pedagogical principles has a place in both courses.
Courses 1 and 2 are open only to those who intend to teach.
Both courses must be taken, before either will be counted.

3. The Philosophy of Education. Science and Practice of Education, Herbart. Comparative study of the different systems of education in the several States of the Union. The development and arrangement of a High School course. *Three hours* (*fall term*).

4. The General History of Education. The development of educational ideals in the past. The effect of the pedagogical doctrines of the great educators of the past upon modern educational systems. Seeley's *History of Education.* Monroe's *Educational Ideal. Three hours* (*spring term*).

5. The study of childhood in transforming modern methods of studying and teaching educational science. *Two hours* (*fall term*).

6. Herbartian Pedagogy. The attempt is made in this course to investigate the Herbartian movement in Germany and the United States. The works of Rein, Story, Ziller, Lange and others are studied. *Two hours* (*spring term*).

Pedagogical theses will be required in all courses.
For course 7, see *Graduate Department.*
A certificate is granted upon the completion of courses 1–6 inclusive.

THE GRADUATE DEPARTMENT.

COMMITTEE.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., PRESIDENT.
CHARLES ALPHONSO SMITH, PH.D., DEAN.
JOSHUA WALKER GORE, C.E.
EBEN ALEXANDER, PH.D., LL.D.
WALTER DALLAM TOY, M.A.

ENLARGEMENT OF THE DEPARTMENT.

The development of the University has made it necessary to enlarge the scope of the graduate work and to give it greater prominence. The growth of the Faculty has rendered it possible to offer many additional courses, and these courses are now numerous and important enough to form a distinct department of the University. The principal subjects in which advanced instruction is now provided are these: Greek, Latin, Germanic Languages, Romance Languages, Old English (Anglo-Saxon), Middle English, English Literature, Philosophy, History, Economics, Mathematics, Physics, Chemistry, Biology, Geology, and Pedagogy.

CANDIDATES FOR GRADUATE WORK.

Graduates of the University of North Carolina and of other universities and colleges of good standing are, on application to the President or Dean, ordinarily admitted to advanced courses of instruction, free of charge for tuition. There is, however, a registration fee of ten dollars. An applicant for admission, unless a graduate of the University of North Carolina, is required to present his diploma and a certificate of scholarship and char-

acter. If in any department the preliminary training of candidates has not been sufficient to qualify them for strictly graduate work, they will be required to take such undergraduate courses as may be prescribed by the heads of the departments; but these courses will not be counted for hours in work leading to a graduate degree.

Students who are not graduates may, if they prove themselves qualified, take graduate courses; but no graduate degree will be given to a student who does not already hold a Bachelor's degree from some institution of approved standing.

All courses must be approved by the President or Dean.

DEGREES.

The University offers to graduate students advanced work leading to the degrees of Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.).

Master of Arts.

Candidates for the degree of Master of Arts may be either resident or non-resident, non-resident courses being given only to graduates of this University. The candidate in residence must complete satisfactorily one year of graduate work consisting of at least fifteen hours a week of recitations or lectures, eight hours of which must be taken from courses in the Graduate Department, the remaining seven from courses open only to Juniors and Seniors. The candidate shall select one major subject and two minor subjects. The course as a whole must have unity and must be pursued with definite aim.

A thesis based on the major subject of study and showing capacity for original research, must be submitted on or before May 1st of the given year, and must be filed in typewritten form on or before May 15th.

Candidates who have received the Bachelor's degree from the University of North Carolina may be recommended for the Master's degree after at least two years of study, as non-resident students, the requirements being in all other respects the same as for resident students; and they must

satisfy the Faculty by examinations and theses that they are worthy of recommendation for the degree. The work must be completed within the period of two years for which the registration is granted; otherwise a second registration fee must be paid at the expiration of two years. The fee for non-resident students is ten dollars.

Master of Science.

The degree of Master of Science is conferred in the Department of Applied Sciences (pp. 58–61), under conditions similar to those stated above for the degree of Master of Arts.

Doctor of Philosophy.

A candidate for the degree of Doctor of Philosophy is required to pursue, in residence at the University, a prescribed course of advanced study and research in one major subject and two allied minor subjects. In general a term of three years is required, but the degree may be secured in two years in the case of exceptional preliminary training in the major subject.

These requirements of residence and study are, however, entirely secondary. The degree is conferred not simply for faithful study in a determinate field of work for a prescribed period, but because of a high attainment in a special branch of learning, which the candidate must have manifested not only in examination, but by a thesis which gives evidence of independent research, and contributes to knowledge. The candidate should choose his major subject in a department in which he has already pursued, for a considerable period, a systematic course of study. To receive this degree, a knowledge of French and German will be found indispensable in most instances. The thesis must be accepted before the candidate may be admitted to examination. The examinations are both written and oral. They demand a minute knowledge of a special field of work as well as a general acquaintance with the department of learning in which the candidate offers himself for the degree.

COURSES OF INSTRUCTION.

Greek.

Professor ALEXANDER.

7. Greek Drama: Euripides, Iphigenia among the Taurians; Sophocles, Antigone; Aeschylus, Prometheus Bound; Aristophanes, Frogs; Aristotle, Poetics. *Three hours.*

8. Prose Composition, advanced course. *Two hours* (*fall term*).

11. Greek History: The selections from Greek Historians in parts I. and II. of Baumeister's *Quellenbuch zur Alten Geschichte*. *Two hours.*

12. Bucolic Poetry: The Idyls of Theocritus, Bion, and Moschus. *Two hours.*

Latin.

Professor HOWE.

9. Roman elegiac poets. A detailed study of the lives and rapid reading of selected elegies of Catullus, Tibullus, Propertius, and Ovid. *Two hours.*

11. The study of a particular author or period in Roman literature. Practice in rapid reading, translating the more difficult passages only. *Two hours.*

Associate Professor WILSON.

5. Pliny, selected Letters; Juvenal, Satires; Martial, selected Epigrams. Reading with especial reference to the private life of the Romans at the close of the first century A. D. *Two hours.*

12. Lectures on comparative syntax of Greek and Latin; principles illustrated from Homer and Terence. *Two hours.*

Germanic Languages.

Professor TOY.

6. Gothic. *Three hours.*

The text-books used are Braune's *Gotische Grammatik* and Heyne's *Ulfilas*. This course is intended to lay a foundation for the philological study of the Germanic dialects. It usually alternates with Course 5 (Old High German). The journals at the disposal of students of Germanic philology are mentioned below under the department of *English Language*, p. 53.

7. Goethe: Goetz von Berlichingen, Tasso, Dichtung und Wahrheit, Gedichte, Faust. *Three hours.*

In connection with the interpretation of the texts, the life of Goethe will be studied. Selected chapters of Herman Grimm's *Vorlesungen*, Scherer's *History of German Literature*, and Francke's *History of German Literature* will be read.

French.

Associate Professor BRUNER.

3. The History and Theory of French Tragedy. Rapid reading of the tragedies of Corneille, Racine, Voltaire, and Victor Hugo. Constant reference, for purposes of comparison, to other great tragedies, both ancient and modern. Lectures and discussions. *Three hours.*

English Language.

The resources of the Graduate Department of the English Language have been greatly increased by the enlightened generosity of Mr. Eugene M. Armfield, of High Point, N. C., an alumnus of this institution, who has put at the disposal of the Department the annual sum of three hundred dollars for the purchase of books, pamphlets, journals, and other special studies in advanced English.

Candidates for the degree of Doctor of Philosophy who elect advanced work in the English language as their major subject will be expected to take one or more courses in the Germanic languages. All graduate work in the English language presupposes English 6, or its equivalent, and a reading knowledge of German; but, in exceptional cases, English 6 and German 1 may be taken along with the English graduate courses.

Professor SMITH.

7. Advanced studies in (*a*) Old English and (*b*) Middle English. *Two hours.*

(*a*) Wyatt's or Heyne's *Beowulf*, Thomas Arnold's *Notes on Beowulf*, Förster's *Beowulf-Materialien*, and the discussion of the Beowulf Saga in volume III. of the *Grundriss der Germanischen Philologie*. (*b*) Skeat's edition of Chaucer's *Minor Poems* and *Legend of Good Women*, Book IV. in volume II. of Ten Brink's *History of English Literature*, with select chapters from Lounsbury's *Studies in Chaucer* and Ten Brink's *Language and Metre of Chaucer*.

12. English Syntax. *Two hours.*

Problems in advanced English grammar will be studied historically. The course will consist chiefly of lectures. Sweet's *Syntax* (volume II. of his *New English Grammar*), Kellner's *Historical Outlines of English Syntax*, Einenkel's *Syntax* (in volume I. of the *Grundiss der Germanischen Philologie*), and recent theses on questions of syntax.

14. Fifteenth Century English, prose and verse. *Two hours.*

Skeat's *Specimens of English Literature from A.D. 1394 to 1579* (first hundred pages), Mead's *Selections from Sir Thomas Malory's Morte d'Arthur*, Baldwin's *Inflections and Syntax of the Morte d'Arthur*, Browne's edition of *The Taill of Rauf Coilyear*, Gummere's *Old English Ballads*, Pollard's *English Miracle Plays*, and Pollard's *Fifteenth Century Prose and Verse.*

The lectures will discuss the place of the fifteenth century in literature, the influence of the Scotch dialect, and the changes that English underwent between Chaucer and Spenser.

Among the publications accessible to graduate students of English and German may be mentioned *Anglia und Beiblatt*, *Englische Studien*, *Herrig's Archiv*, *Paul und Braune's Beitræge*, *Publications of the Modern Language Association of America*, *Modern Language Notes*, *Modern Language Quarterly* (London), *Dialect Notes*, *Publications of the Early English Text Society*, *Journal of English and Germanic Philology.*

English Literature.

Professor HUME.

8. Poetry and Criticism. A study of the art of poetry in general and of the principles of criticism. *Two hours.*

10. Dramatic Seminary. The language, metrical forms, sources of plot and incident, construction of plays, comparative study of Shakspere and other dramatists. *Two hours.*

13. The Development of Fiction from the Greek romances to Scott. Eighteenth Century Romanticism. *Two hours.*

Philosophy.

Professor WILLIAMS.

5. Epistemology. Lectures. Theses. A study of the Critical Philosophy. First year: Prolegomena and Practical Reason and the works that prepared the way for Kant. Second year: *Kritik der reinen Vernunft.* *Three hours.*

History.

Professor BATTLE.

9. Historical Seminary. Original research in the history of the United States and of North Carolina during the national and state period. *Two hours.*

11. The English Constitution. Research in the history of the formation and development of the Constitution of England. *Two hours.*

13. The American Constitution. Research in the history of the formation and development of the Constitution of the United States. *Two hours.*

14. American politics. Research in the history and development of the political parties in the United States, and their struggles in Congress and before the people. *Two hours.*

Associate Professor RAPER.

10. Colonial History. Lectures and research in the history of the English Colonies in North America. *Two hours.*

Economics.

Associate Professor RAPER.

3. The History of Industrial Life in England and the United States. Lectures, readings, and reports. *Two hours.*

To be omitted in 1905-06.

Mathematics.

Professor CAIN.

4. Differential and Integral Calculus (Gibson). *Three hours.*

5. Burnside and Panton's Theory of Equations. *Three hours.*

8. Mechanics of Materials, Stresses in Structures. *Three hours.*

10. Graphical Statics, Arches, Higher Surveying. *Three hours.*

15. Advanced Differential and Integral Calculus (Byerly, Edwards). Lectures. *Two hours.*

Associate Professor HENDERSON.

6. Differential Equations (Murray). *Three hours.*

7. Analytic Mechanics (Bowser). *Three hours.*

7A. Hydraulics (Merriman). *Three hours.*

12. Projective Geometry (Reye). *Two hours.*

13. Solid Analytical Geometry (Smith, Salmon, Frost). *Two hours.*

Physics.

Associate Professor Latta.

6. Thermodynamics. *Three hours.*

This study is based on Edser's *Heat for Advanced Students,* Ewing's *Steam and other Heat Engines* and Peabody's *Thermodynamics of the Steam Engine.*

7. Alternating Currents and Alternating Current Machinery. *Four hours.*

Text-boks: Franklin and Williamson's *Alternating Currents* and Bedell and Crehore's *Alternating Currents.* Lectures and problem work Testing and study of alternating current machines in the laboratory.

9. Electric Power Transmission. *Two hours (spring term).*

Chemistry.

Professor VENABLE and Associate Professor WHEELER.

11. Research in Inorganic and Analytical Chemistry. *Six hours.*

This course (with 12 and 13) is intended only for applicants for the the degree of Doctor of Philosophy or properly equipped students who desire special training in advanced chemical research. It requires, in addition to the laboratory work, daily conferences with the professor and continual reference to the literature touching the matter under investigation. The work is usually assigned by the professor, but by special permit, the student may elect to work upon problems to which he wishes to give particular attention.

Associate Professor WHEELER.

12. Research work in Organic Chemistry. *Six hours.*

Many lines of investigation are open in the cellulose field and other departments of Organic Chemistry. Investigations which have a bearing upon physiology may be undertaken, or the student may be guided in work of his own selection.

Associate Professor MILLS.

13. Research in Physical Chemistry. *Six hours.*

Acquaintance with the Calculus is required for this course.

14. Advanced Inorganic Chemistry. *Two hours.*

The elements are studied with the idea of showing the fundamental laws of Chemistry and the deepseated relations involved in and leading up to the Periodic System. Attention is also given to those portions of Inorganic Chemistry not usually dwelt upon in the regular courses. The applications of physico-chemical laws and generalizations are emphasized throughout the course.

Associate Professor WHEELER.

15. Lectures and Seminary work in special chapters of Organic Chemistry. *Two hours.*

The *Journal Club* meets every other Monday evening for an hour. The current journals, American, English, German, and French, purely scientific and technical, are reviewed by the students and instructors. At stated periods special subjects are assigned and reported on at subsequent meetings. Attendance upon the meetings of the Club is required of all students taking the above courses.

Zoology.

Professor WILSON.

2. Comparative Anatomy and Embryology of the Vertebrates. Study of types of fishes, amphibia, reptiles, birds, mammals. Development of the characteristic vertebrate organs in the frog and chick. Fundamentals of microscopic technique. Laboratory work with occasional lectures. *Three hours.*

3. Comparative Anatomy and Embryology of the Invertebrates. Dissection and microscopic study of types of the chief orders, with some consideration of their embryology. Laboratory work with occasional lectures. *Three hours.*

4. Animal Morphology. Advanced zoological work, with detailed study of problems in comparative anatomy or embryology. Laboratory work with use of classical text-books and original memoirs. Theses. *Five or more hours.*

Botany.

Associate Professor COKER.

2. Special Morphology of the algae and fungi, with attention to the culture of lower fungi, and the identification of mushrooms. Lectures with laboratory and field work. *Three hours.*

3. Special morphology of the mosses, ferns, and higher plants, with particular consideration of homologies. Lectures with laboratory and field work. *Three hours.*

4. Plant Morphology. Advanced work in the embryology and anatomy of plants. The student is required to collect and prepare material for the microscopic study of special problems. Theses. *Five or more hours.*

Geology.

Professor COBB.

6. Advanced field work and special research in geology or geography. Problems assigned individually and work adapted to the professional needs of the student. *Three hours.*

7. Research course in historical geology. *Three hours.*

Pedagogy.

Professor NOBLE.

5. The study of childhood in transforming modern methods of studying and teaching educational science. *Two hours (fall term).*

6. Herbartian Pedagogy. The attempt is made in this course to investigate the Herbartian movement in Germany and the United States. The works of Rein, Story, Ziller, Lange, and others are studied. *Two hours (spring term).*

7. American Education. A study of the development of public and private school systems in the United States. Research and lectures. *Two hours.*

DEPARTMENT OF APPLIED SCIENCES.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., PRESIDENT.
JOSHUA WALKER GORE, C.E., DEAN.

COURSES OF STUDY.

Special courses of study are offered in this department, extending over four years, and combining instruction in certain Sciences and their applications to the arts with other general studies deemed essential to a liberal education.

There are four of these courses:

I. Chemistry.
II. Electricity.
III. Civil Engineering.
IV. Mining and Metallurgy.

DEGREE.

Each of these courses leads to the degree of Bachelor of Science (S.B.), and a special certificate will be given on the completion of any one of them.

SCHEDULES OF COURSES.

The group of studies selected for the Freshman Year must correspond to the group of subjects offered for entrance. See page 24.

I. Chemistry.

FRESHMAN YEAR.

(Common to all of the four courses.)

GROUP 1. English 1 (3); Mathematics 1 (4); Greek 1 (4); Latin 1 (4).

GROUP 2. English 1 (3); Mathematics 1 (4); Greek 1 (4) or Latin 1 (4); German 2 (3) or French 2 (3); German 1 (3) or French 1 (3) or History 1 (3).

GROUP 3. English 1 (3); Mathematics 1 (4); German 2 (3) or French 2 (3); and six hours from the following: Spanish 1 (3); History 1 (3); Geology 1 (3).

SOPHOMORE YEAR.

English 2 (3); Mathematics 2 (3); Chemistry 1 (3); Chemistry 3 (2); Physics 1 (3); German (3) or French (3).

The modern language selected must be German, unless six hours of German have been taken or are being taken to complete the requirements of the Freshman Year.

JUNIOR YEAR.

English 3A (2); Chemistry 2 (3); Chemistry 4 (3); Chemistry 5 (5); Drawing 1 (2).

SENIOR YEAR.

Chemistry 6 (2); Chemistry 7 (3); Chemistry 8 (5); Geology 2 (2); Physics 9 (fall term (3)) (1½); Economics or History (2).

II. Electricity.

FRESHMAN YEAR.

(See Freshman Year of Course I.)

SOPHOMORE YEAR.

English 2 (3); Mathematics 2 (3); Chemistry 1 (3); Chemistry 3 (2); Physics 1 (3); Drawing 1 (2).

JUNIOR YEAR.

English 3A (2); Mathematics 3 (3); Physics 4 (3); Chemistry 2 (3); Drawing 2 (2); Mathematics 4 (3) or Chemistry 4 (3).

SENIOR YEAR.

Physics 6 (3); Physics 7 (4); Physics 8 and 9 (2); English 4 (3); Mathematics 7 (3) or Chemistry 7 (3).

III. Civil Engineering.

FRESHMAN YEAR.

(See Freshman Year of Course I.)

SOPHOMORE YEAR.

English 2 (3); Mathematics 2 (3); Mathematics 3 (3); Chemistry 1 (3); Physics 1 (3); Drawing 1 (2).

JUNIOR YEAR.

English 3A (2); Mathematics 3B (2); Mathematics 4 (3); Geology 3 (3); Mathematics 7 (3); Drawing 2 (2).

SENIOR YEAR.

Mathematics 7A (3); Mathematics 8 (3); Mathematics 10 (3); English 4 (3); Elective (3).

IV. Mining and Metallurgy.

FRESHMAN YEAR.

(See Freshman Year of Course I.)

SOPHOMORE YEAR.

English 2 (3); Mathematics 2 (3); Chemistry 1 (3); Chemistry 3 (2); Geology 3 (2); Drawing 1 (2).

JUNIOR YEAR.

English 3A (2); Mathematics 3 (3); Mathematics 4 (3); Chemistry 2 (3); Physics 1 (3); Geology 2 (2); Ore Deposits (24 lectures).

SENIOR YEAR.

English 4 (3); Mathematics 7 (3); Chemistry 4 (3); Physics 4 (3); Geology 4 (3); Drawing 2 (2); Mining (10 lectures).

The courses of instruction are outlined on pages 29–47.

Graduate Courses.

Graduate courses leading to the degree of Master of Science (S.M.), may be pursued under conditions similar to those required for the degree of Master of Arts. See page 50.

MEDALS AND PRIZES.

THE HOLT MEDAL IN MATHEMATICS. (Established in 1874.) A gold medal is offered by Mr. John Allen Holt and Mr. Martin H. Holt, the principals of Oak Ridge Institute, to that student who shall take the highest rank in Mathematics 4. No student will be recommended for the medal unless he attain to grade 2.

THE LITERARY ESSAY MEDAL. (Established in 1890.) A gold medal is offered by Professor Thomas Hume to that member of the Senior Class who shall present the best essay or thesis on some distinctly literary subject.

THE MANGUM MEDAL IN ORATORY. The Misses Mangum, late of Orange county, established in 1878 a gold medal in memory of their father, Willie Person Mangum. This medal is continued by his granddaughters, Mrs. Julian A. Turner, Mrs. Stephen B. Weeks, and Miss Preston Leach, and offered to that member of the Senior class who shall deliver the best oration at Commencement.

THE BINGHAM PRIZE IN DEBATE. This prize is offered by Mr. R. W. Bingham, in memory of his great-grandfather, grand-father, father and brother. It is open to any student of the University and given annually for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held on Tuesday evening of Commencement week.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889 by Mr. William H. Kerr in memory of his father, Professor Washington Caruthers Kerr.) A prize of fifty dollars is offered to any undergraduate or graduate student, for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE GREEK PRIZE. (Established in 1887.) A prize of ten dollars is offered to that member of the Sophomore class who shall present the best rendering into English of selected passages of Greek not previously read.

THE WORTH PRIZE IN PHILOSOPHY. (Established in 1883.) Mr. Charles Williams Worth, in memory of his father, David Gaston Worth, of the class of 1853, will print the best thesis submitted by a student in Philosophy 4.

THE EARLY ENGLISH TEXT SOCIETY PRIZE. A special prize is offered by the Early English Text Society, of London, for advanced work in Anglo-Saxon and Middle English.

THE BRYAN PRIZE. A prize will be given annually for the best thesis in Political Science. This prize was established by Mr. William Jennings Bryan in 1903.

THE HUNTER LEE HARRIS MEMORIAL. (Established in 1903.) Dr. Charles Wyche, of St. Louis, offers in memory of Hunter Lee Harris, of the class of 1893, a gold medal for the best original story by any student of the University.

THE INTERNATIONAL MEDAL. This medal is offered by Mr. Hayne Davis, of the class of 1888, for the best essay on the following subject:— "The right relation of nations to each other under twentieth century conditions in the light of changes which have occurred throughout the world in the relation of political organisms, since the revolt of the American colonies."

THE THOMAS HUME PRIZE. A prize of fifty dollars is offered by Mr. W. G. Peckham, of New York, for the best work in the Old English Ballads and Shakspere or Milton.

PECUNIARY AID AND EXPENSES.

FELLOWSHIPS AND SCHOLARSHIPS.

The Hill Fellowship. (Established in 1903, by Mr. John Sprunt Hill, of the class of 1889.) The holder shall devote himself to the study of North Carolina History, at this University; but the fellowship is open to students of all the institutions for higher education in the State. Appointments are made by the Professor of History at the University of North Carolina, Professor John S. Bassett, during his connection with Trinity College, and the Founder or his representative. The work of the holder shall be under the direction of the same advisory board.

This fellowship yields $200 annually.

The Cameron Scholarships. (Established in 1892.) The heirs of Paul Carrington Cameron founded, in his memory, ten scholarships of the value of sixty dollars each.

The Dialectic and Philanthropic Literary Societies' Scholarships. (Established in 1893.) The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of sixty dollars each, recipients of which shall give assistance in the Library.

The Moore Scholarships. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed five thousand dollars, the interest of which shall be devoted to paying the tuition of students.

The Mary Ann Smith Scholarships. (Established in 1891.) Miss Mary Ann Smith bequeathed thirty-seven thousand dollars for the foundation of scholarships, the number of scholarships to be determined by the amount of income.

The Mary Ruffin Smith Scholarships. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University, in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham

county, of fourteen hundred and sixty acres, known as Jones' Grove. The will provides that the rents of the land, or the interest on the purchase money, if sold, shall be used to pay the tuition of such poor students as the Faculty shall appoint."

THE SPEIGHT SCHOLARSHIPS. (Established in 1895.) The late Mrs. Mary Shepherd Speight bequeathed ten thousand dollars to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used toward paying the salaries of the professors.

THE WOOD SCHOLARSHIP. (Established in 1892.) Mrs. Mary Sprunt Wood, of Wilmington, has founded in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of sixty dollars.

THE WEIL SCHOLARSHIP. (Established in 1898.) A fund, established by Mr. Henry Weil, of Goldsboro, furnishes one scholarship of the value of sixty dollars.

THE ARMFIELD SCHOLARSHIPS. (Established in 1901 and 1904.) These scholarships are established by the generosity of Mr. Eugene M. Armfield, of High Point, N. C., of the class of 1888.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of the Alumni. A scholarship will be awarded for each one thousand dollars given.

THE KENNETH MURCHISON SCHOLARSHIP. (Established in 1904.) This scholarship has been founded by Mrs. Jennie Murchison Carter, of Baltimore, in memory of her father. It is awarded by the founder.

None of these scholarships are open to students in the professional departments of Law, Medicine, and Pharmacy.

All applications for scholarships must be filed in the President's office on or before August 15, and must be in the regular form prescribed by the University. Blank forms are supplied on application to the Registrar.

FREE TUITION.

By an act of the Legislature in 1887, free tuition is given, in the College, to candidates for the ministry, to the sons of ministers, to young men

under bodily infirmity, to teachers and young men preparing to teach. This enables the University to aid most effectively the public school teachers of the State.

LOAN FUNDS.

THE DEEMS FUND. (Established in 1879.) A fund of six hundred dollars was established by Rev. Dr. Charles F. Deems, late pastor of the Church of the Strangers, New York City, formerly a Professor in the University, in memory of his son, Lieutenant Theodore Disosway Deems. In 1881 the fund was greatly enlarged through the munificence of Mr. William H. Vanderbilt, by a gift of ten thousand dollars, "as an addition to the Deems Fund, to be loaned to indigent students of the University."

Applications for loans will not be considered unless accompanied by testimonials from responsible persons as to poverty and merit. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

All applications for loans must be filed in the President's office on or before August 15.

EXPENSES.

Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The charges for each of the two terms are as follows:—

Tuition fee	$30.00
Registration fee	5.00
Medical and Infirmary fee	3.00
Gymnasium fee	2.00
Library fee	2.00
Total	$42.00

The library fee is one dollar a term for members of the Dialectic and Philanthropic Literary Societies. Students taking courses in the laboratories are charged a small fee for materials. Every student must keep on deposit with the Bursar two dollars as security for damages. Willful

damage to University property is charged to the perpetrator, if known, otherwise it is assessed upon all students of the University. Any balance is returned to the student at the end of the year.

Good board is furnished at Commons for eight dollars a month. A few students earn their board at Commons by waiting on the tables. In private clubs board may be reduced to a minimum of six dollars a month. The entire annual expenses need not exceed three hundred dollars, and they may be reduced to two hundred dollars.

From a number of itemized reports handed in by students, the following averages have been made. These give total expenses, exclusive of clothes and traveling. The average was taken in three classes. The first includes those who pay no tuition and wait at Commons, thus having no board to pay. The minimum expense account given under this heading was $57.00, the average $63.60. Secondly, the average expenses of those who pay board but no tuition, was $144.61. Lastly, the average expenses of those who pay both board and tuition was $265.25, the maximum being $500.00

It is confidently believed that no institution offers wider opportunities of self-help to meritorious students of slender means. The desire is that no worthy boy, however poor, shall ever be turned away for lack of means. To such the University and town offer unusual opportunities for support. Many students are now working their way through college by every form of honorable labor. A number are here as the result of money earned or borrowed. Fifty are aided by loans, and over four hundred have received aid from the University in loans and scholarships in the past twenty years. A few students are selected by the authorities as waiters at Commons. Otherwise all opportunities available in the University and town must be secured by the personal effort of the individual, or with the assistance of the Faculty Committee on Self-Help. They are not assigned by the President.

DORMITORY ACCOMMODATIONS.

The University buildings contain one hundred and seventy-four double rooms, available for the accommodation of students; none are furnished; there is no charge for service in addition to the rent. All rooms are fitted

with electric lights. Room rent ranges from 75 cents to $2.75 per month for each occupant, the price depending on the location of the room.

All the buildings of the University are heated by hot water according to the most improved methods. In the dormitories the charge for heating and light will be $2.00 per month for each room or one-half that sum for each occupant of a room.

REGULATIONS REGARDING STUDENTS.

REGISTRATION AND ASSIGNMENT OF ROOMS.

All students are expected to present themselves for registration on *Monday, Tuesday,* or *Wednesday, September 11, 12, or 13, 1905,* and *Tuesday, Wednesday,* or *Thursday, January 2, 3,* or *4, 1906,* between the hours of 9 A. M. and 4 P. M., at the office of the Registrar.

A student who presents himself for registration after the dates and times named shall pay a fee of two dollars in addition to the regular fee.

Students desiring to retain their rooms in the College buildings must give formal notice to the Bursar before May 20th. Previous occupants of rooms, if not present to claim them at the times and places annually designated for the assignment of rooms, will forfeit their rights to such rooms.

According to the contract for rooms, it is provided that the occupants shall be responsible for all damage committed in or upon the room during their occupancy, as well as for damage committed by them upon any University property; and that any malicious or wanton damage or any malicious or wanton or repeated disturbance of College order shall be a forfeiture of all right to dwell in a College building. The President reserves also the right to require any student whom for any reason he considers an undesirable tenant to vacate a room in the College buildings.

The President may by official disapproval of any boarding-place in the village, require students to avoid such boarding-place.

STANDING.

Semi-annual reports of the standing of all students in all the studies of

the previous term are sent to parents or guardians, based upon the following scale of marking:—

Grade 1, 95–100 per cent.
Grade 2, 90–95 per cent.
Grade 3, 80–90 per cent.
Grade 4, 70–80 per cent.
Grade 5, 50–70 per cent.
Grade 6, below 50 per cent.

Students must attain a grade of at least 4 to pass in any study; those receiving grade 6 in any study must take such study over again with a class.

In addition to the semi-annual reports, there are sent out during the session six monthly reports in which the standing of students is indicated in a general way.

No student will be allowed to take less than 15, nor more than 18 hours of class-room work per week without special permission of the Faculty or the President.

Students desiring to change their courses must make written application to the President for the desired change. The application will be considered by the President and the instructors in the departments concerned and will be granted only after a careful consideration of the facts in each case. No changes will be permitted after the first two weeks of the term except such as are granted after application to, and approval by the Faculty.

A student who at the close of the period of special examinations in September, is deficient by an amount equal to eight hours of class-room work for a year will be ranked with the next lower class.

A student who has failed to pass all the examinations of the year in any College study may not take a higher class in that department, until he make good his deficiency.

ABSENCES.

In any term, absences are counted from the first regular meeting of each class. In no case will a student be considered present at any class unless he has been regularly registered as a member of that class. Students will

be subject to the discipline of the Faculty when the total unexcused absences in any month amount to five.

Any student whose absences from a class during any month amount to as much as 25 per cent. of the scheduled meetings of the class, is required to stand a special examination on that month's work, according to the schedule laid down below.

In the case of those whose absences in a given month amount to 25 per cent , or more, of the scheduled meetings of the class, and who fail to stand the examination provided for such absences, it is left to the discretion of the instructor to retain them in the class.

Students who are absent from a class during the months of December and May as much as 25 per cent. of the scheduled meetings of the class, must stand an examination for these months before being entitled to any grade on term examination. This special examination is to be held in connection with the regular term examination, or at some time during the examination period.

Students who are absent during any term as much as 33⅓ per cent. of the scheduled meetings of the class, except in case of prolonged sickness necessitating at least one half of the absences, may at the discretion of the instructor be debarred from standing the term examination.

Schedule of Examinations to be Held Each Month for Excess of Absences.

First Saturday in New Month.

French and German, all classes and sections,	8:45 o'clock.
Greek,	9:45 "
Latin,	11.00 "
Zoology and Botany,	12:00 "

Second Saturday in New Month.

Mathematics, all classes and sections,	8:45 "
Geology,	10:00 "
Chemistry,	11:00 "
Physics,	12:00 "

Third Saturday in New Month.

History and Economics, all classes and sections,	8:45 o'clock.
English,	9:45 "
Elementary Law,	11:00 "
Philosophy,	at night.

Attendance at Chapel is compulsory for all students in the University except for members of the professional departments and for such others as are specially excused. Absence from Chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the President or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS.

Each student, before being entitled to any grade upon an examination, is required to subscribe his name to the following pledge: "I hereby certify that during this examination I have neither given nor received aid."

Students who hand in papers at the regular examinations are considered to have relinquished any claim to special examinations for grades. Students who fail to attend regular examinations, or who fail to hand in papers, are regarded as handing in blank papers, unless they have been previously excused from the examinations.

Excuses from examinations are granted only in case of absolute necessity. Such an excuse, to be valid, must be obtained from the President on or before the day of the examination, and communicated officially on that day to the instructor holding the examination.

A student wishing a special examination must deposit an application in the office of the Registrar at least one week before the beginning of the period of special examinations.

A student who has been excused from an examination or has received grade 5, may have opportunity to make good his deficiency, without taking the study over again, at the following times:

(*a*) At the next succeeding regular examination period.

(*b*) At the period of special examinations in September preceding the regular work of the session.

(*c*) At the regular examination of the same class a year from the time when the deficiency was incurred.

(*d*) If the deficiency be in a Junior or Senior study, either at one of the above-mentioned times, or at a special examination to be held in each study at the time scheduled for the first monthly special examination in that study after the opening of the term in January of the Senior year.

A student having a deficiency in a Freshman study not made up by the close of the period of special examinations in September preceding his Junior year, and a student having a deficiency in a Sophomore study not made up by the close of the period of special examinations preceding his Senior year, shall be required to take such study over again with the class or, in the case of an elective study, to take another one in its place.

The last opportunity to make up deficiencies occurring later than the beginning of the Junior year is at the special examination period mentioned above (in *d*), except that Seniors failing to pass an examination in May may have one special examination during the examination period in May.

Only those who have been excused from the regular examination may take another for a grade. All others take it merely to pass.

The order of examinations for the removal of conditions in September, 1905, will be:

Monday, September 11.

10 A. M. Physics. 2:30 P. M. Chemistry.

Tuesday, September 12.

10 A. M. Greek. 2:30 P. M. History and Economics.

Wednesday, September 13.

10 A. M. English. 2:30 P. M. Zoology and Botany.

Thursday, September 14.

10 A. M. German and French. 2:30 P. M. Mathematics.

Friday, September 15.

10 A. M. Latin. 2.30 P. M. Geology.

Saturday, September 16.

10 A. M. Philosophy. 2:30 P. M. Pedagogy.

ATHLETIC AND OTHER ORGANIZATIONS.

No student will be allowed to take part in athletic contests, concerts, debates, etc., entailing absence from the University, whose parent or guardian objects to such participation.

A student who was in attendance upon the University during a previous term or session must have passed satisfactory examinations upon at least six hours of work before he will be allowed to represent the University in an athletic contest or in any other public capacity.

No student reported as deficient in a majority of his classes can participate in any athletic contest or otherwise publicly represent the University, until the deficiency is made good.

No team or club will be allowed to be absent from the University for more than five lecture days during the term.

The manager of each athletic team or musical club shall submit to the President a schedule of all engagements before positive arrangements are made.

No student shall be eligible for membership in an athletic team playing in intercollegiate contests, unless he has registered on or before October 12.

No student who has received, or is receiving now, or has been promised directly or indirectly any money or compensation in lieu of money for athletic services, shall be eligible as a player upon any athletic team representing the University, and each candidate for such position must sign a statement to the effect that he is not ineligible under this rule.

FRATERNITIES.

Academic students may join fraternities after registration in their Sophomore year. Fraternity men are not allowed to pledge Freshmen to join fraternities.

GRADUATION.

Each Senior will be officially informed by the Registrar in September of all deficiencies standing against him. These deficiencies must be made up by the close of the special examination period in February.

Every member of the Senior Class is required to write a thesis or an oration, for graduation. Those electing theses must announce their subjects by Feb. 1st to the Dean of the Faculty, who will report them to the Professors in the departments concerned. On May 2d the theses shall be read before the Professors, subject to criticism and correction. The corrected and approved theses must be handed to the Registrar in type-written form on or before May 15th.

The number of orations is limited to four. The candidates must be members of the academic department, and must announce their subjects to the Dean of the Faculty by Feb. 1st. The orations shall be delivered in private before a committee of the Faculty on May 1st, who shall decide the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

Candidates for more than one degree shall not offer the same elective in two courses, nor a required study in one course as an elective in another.

CERTIFICATES.

A certificate is granted to a student who has completed, in any department, all work required for a degree together with other elective work in the same department. (See under the several departments of instruction.)

CONDUCT.

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form, or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism, may be requested to leave the University.

SCHEDULE OF RECITATIONS.

	8:45	9:45	10:40	11:35	12:30	2:30
MON.	F Eng. I. I, II English 5 English 15 French 4 Geology 1 German 2 Greek 3 Greek 7 Latin 10 Math. 2, I Math. 3 Math. 5	G Economics 2 English 2, I English 7 English 13 French 3 Geology 4 Greek A Greek 9 Latin 2, II Latin 4, 9 Math. 7 Philosophy 1 Phys., Elem.	C Chemistry 6 English 1, III English 4 French 1, III German 6 Greek 1, II Latin 1, I Latin 2, I Physics 1 Physics 7 Zoology 1	D Chemistry 1 Econom. 3, 4 English 9 French 1, I German 3 History 1, II History 5 Math. 1, IV Math. 3A Math. 9 Pedagogy 6	K Botany 1 English 3 English 3A Expression 2 Greek 1, I History 6 Latin 1, II Math. 1, III Pedagogy 5 Physics 5	Laboratory: Chem. 1, I Chemistry 4 Chemistry 8 Chemistry 9 Physics 1, I Physics 4 Zoology 2
TUES.	A Chemistry 7 Econom. 5, 6 English 2, II English 14 Geology 3 German 1, I Greek 6 Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3, 4 Physics 6 Physics 9 Italian 1	B Chemistry 2 English 1, IV English 6 English 16 French 1, II French 2 Geology 6 Greek 2 History 1, I Law, Elem. Math. 6, 8 Philosophy 4	C Chemistry 6 English 1, III French 1, III German 6 Graphics Greek 1, II History 2, 4 Latin 1, I Latin 2, I Physics 1 Physics 7 Zoology 1	H Botany 2 English 11 Expression 1 Greek 5, 10 History 10 Latin 3 Latin 7, 8 Math. 1, IV Math. 14 Philosophy 3 Physics 4	E Architec. Chemistry 5 English 8 German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2 Philosophy 2	Laboratory: Botany 1, I Chem. 1, II Chemistry 5 Chemistry 8 Drawing 1 Geology 2 Physics 1, II
WED.	A Chemistry 9 English 2, II Geology 3 German 1, I Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3, 4 Physics 6 Italian 1	G English 2, I English 7 English 13 French 3 Geology 4 Greek A Greek 9 Latin 2, II Latin 4, 9 Math. 7 Philosophy 1 Phys., Elem.	K Botany 1 English 3 English 3A Expression 2 Greek 1, II History 6 Latin 1, I Pedagogy 5 Physics 5	D Chemistry 1 Econom. 3, 4 English 12 French 1, I German 3 Greek 4 History 1, II History 5 Latin 5, 6 Math. 1, IV Math. 3A Math. 9 Pedagogy 6	F Economics 1 Eng. 1, I, II English 5 English 15 French 4 Geology 1 German 2 Greek 7 Math. 2, I Math. 3 Math. 5 Phys cs 2, 3	Laboratory: Botany 1, II Chem. 1, III Chemistry 3 Chemistry 4 Chemistry 8 Drawing 2, 3
THUR.	A Chemistry 7 Econom. 5, 6 English 2, II English 14 Geology 3 German 1, I Greek 6 Latin 1, III Math. 1, I, II Math. 4 Pedagogy 3, 4 Physics 6 Physics 9 Italian 1	B Chemistry 2 English 1, IV English 6 English 16 French 1, II French 2 Geology 6 Greek 2 History 1, I Law, Elem. Math. 6, 8 Philosophy 4	C English 1, III English 4 French 1, III German 6 Graphics Greek 1, II History 2, 4 Latin 1, I Latin 2, I Physics 1 Physics 7	G Economics 2 English 2, I French 3 Geology 4 Greek A Latin 2, II Math. 7 Philosophy 1 Phys., Elem.	E Architec. Chemistry 5 English 8 German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2	Laboratory: Botany 2 Chem. 1, IV Chemistry 3 Chemistry 9 Drawing 1 Geology 2 Zoology 1, I Zoology 2
FRI.	H English 11 Expression 1 Greek 5, 10 History 10 Latin 1, III Latin 7, 8 Math. 1, I, II Math. 14 Philosophy 3 Physics 4	B Chemistry 2 English 1, IV English 6 French 1, II French 2 Geology 6 Greek 2 History 1, I Law, Elem. Math. 6, 8 Philosophy 4	F Economics 1 Eng. 1, I, II English 5 French 4 Geology 1 German 2 Greek 7 Latin 10 Math. 2, I Math. 3 Math. 5 Physics 2, 3	D Chemistry 1 English 9 English 12 French 1, I German 3 Greek 4 History 1, II History 5 Latin 5, 6 Math. 1, IV Math. 3A Math. 9	E German 1, II Greek 1, I History 7 Latin 1, II Math. 1, III Math. 2, II Pedagogy 1,2 Philosophy 2	Laboratory: Botany 2 Chem. 1, V Chemistry 3 Chemistry 4 Chemistry 8 Physics 7 Zoology 1, II Zoology 2
SAT.	Botany 3 Chemistry 5 Chemistry 7 Geology 6 Zoolgy 3	Botany 3 Drawing 2, 3 Zoology 3	Botany 3 Chemistry 5 Zoology 3	Botany 3 Zoology 3	Botany 3 Zoology 3	

SCHEDULE OF EXAMINATIONS, 1905-06.

First Day	Second Day	Third Day	Fourth Day	Fifth Day
Botany 2	Chemistry 7	Economics 1	Architec.	Botany 1
English 11	Chemistry 9	English 1	Chemistry 5	English 3
Expression 1	Econom 5, 6	English 5	English 8	English 3A
Greek 5, 10	English 2	English 15	German 1	Expression 2
History 10	Geology 3	French 4	Greek 1	History 6
Latin 3	German 1	Geology 1	History 7	Pedagogy 5
Latin 7, 8	Greek 6	German 2	Math. 1	Physics 5
Math 14	History 3	Greek 7	Math. 2	
Philosophy 3	Latin 1	Latin 10	Pedagogy 1, 2	
Physics 4	Math. 1	Math. 2	Philosophy 2	
	Math. 4	Math. 3		
	Pedagogy 3, 4	Math. 5		
	Physics 6			
	Physics 9			
	Italian 1			

Sixth Day	Seventh Day	Eighth Day	Ninth Day	Tenth Day
Chemistry 1	English 2	Chemistry 2	Chemistry 6	Economics 2
Economics 3, 4	English 14	English 6	English 1	English 7
English 9	Greek 3	English 16	English 4	English 13
English 12	Latin 1	French 1	German 6	French 3
French 1	Physics 2, 3	French 2	Graphics	Geology 4
German 3		Geology 6	Greek 1	Greek 9
Greek 4		Greek 2	History 2, 4	Latin 2
History 1		History 1	Latin 2	Latin 4, 9
History 5		Law, Elem.	Physics 1	Math. 7
Latin 5, 6		Math. 6, 8	Physics 7	Philosophy 1
Math. 3A		Philosophy 4	Zoology 1	Physics, Elem.
Math. 9				
Pedagogy 6				

THE LAW DEPARTMENT.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., PRESIDENT.

JAMES CAMERON MACRAE, LL.D., *Dean and Professor of Common and Statute Law and Equity.*

LUCIUS POLK MCGEHEE, A.B., LL.B., *Professor of Law and Equity.*

KEMP PLUMMER BATTLE, LL.D., *Professor of Constitutional History and International Law.*

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics and of History.*

CHARLES STAPLES MANGUM, A.B., M.D., *Lecturer on Medico-Legal Jurisprudence.*

JAMES C. MACRAE, JR., LL.B., *Instructor in Law.*

COURSES OF INSTRUCTION.

The Law Department provides three courses of study, each extending over a period of one college year, in addition to the elementary course named below. Instruction is given by means of lectures, text-books, the study of leading cases, and moot courts. Special lectures are given by resident instructors and by members of the bar upon subjects of interest to students.

Mr. MACRAE.

1. Elementary course in first principles and plain rules of business, contract, and property law. Robinson's *Elementary Law.* Spencer's *Commercial Law. Three hours.*

   Elective for Juniors and Seniors in the College. This course affords a preliminary study for those intending to continue the study of law and also an opportunity to learn principles and forms applicable to commercial and other business life.

Professor McGehee.

2. (*a*) Studies in the English Constitution (Creasey). First Blackstone (Ewell's *Essentials*). Manning's *Commentaries*. Domestic Relations, including the law of Master and Servant, and the law of Negligence. Real Property Law: Second Blackstone and Williams; Code chapters on cognate subjects; North Carolina cases and other cases. Criminal Law: Fourth Blackstone; Clark on Criminal Law; Code chapters on Crimes and Punishment and Criminal Procedure. *Five hours* (*fall term*)

(*b*) Bigelow on Torts. Lawson on Bailments and Carriers. Clark on Contracts. The Commercial Instrument Law. The Law of Agency and Partnership. Forms and Conveyancing. *Five hours* (*spring term*).

Professor MacRae.

3. (*a*) First Greenleaf on Evidence; Best on Evidence (Third Ewell); the Code chapter on Evidence. Bispham's Equity; Equity Pleading and Practice. Code of Civil Procedure; Code Practice. *Five hours* (*fall term*).

(*b*) Clark on Corporations; the North Carolina Corporation Law and cases. Schouler on Executors and Administrators; Code chapters on Executors, Widows, Wills, and Testaments; Descent and Distribution. The Law of Wills. The Constitutions of North Carolina and of the United States. The Code. *Five hours* (*spring term*).

4. (*a*) Dillon on Municipal Corporations. Richards on Insurance. Hughes on Admiralty. The Law of Bankruptcy. *Five hours* (*fall term*).

(*b*) Cooley on Constitutional Limitations. Historical Jurisprudence. International Law. Lectures. Theses. *Five hours* (*spring term*).

Professor Battle.

5. Constitutional History and International Law. (History 7). A general survey of the history and principles of the constitutions of the leading nations, ancient and modern. A special study of the Constitution of the United States, with the principal judicial decisions thereon. Also lectures on the leading principles of International Law. *Three hours.*

Associate Professor RAPER.

6. Economics. (Economics 1). A general study of the production and consumption of wealth. A special study of land, labor, capital, and organization as factors in the production of wealth. Marshall's *Principles of Economics;* lectures and readings. *Two hours.*

7. Economics. (Economics 2). Public Finance. A general study of the principles of public expenditures and revenues, and of the relation of the State to industries. A special study of taxation and the tariff. Adams' *Science of Finance;* lectures and readings. *Two hours.*

Professor MANGUM.

3. Medico-legal Jurisprudence. *One hour.*

CERTIFICATES.

A certificate is granted to students who pass with credit thorough written examinations on all subjects embraced in courses 2 and 3. Those who receive this certificate are considered prepared to appear before the Supreme Court for examination.

SPECIAL LECTURES.

From time to time during the term, lectures will be delivered before the school by eminent judges and lawyers.

THE DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws (LL.B.) is conferred by the University upon candidates who have completed courses 2, 3, 4, 5, and 6 or 7, and have passed all examinations. Two years of residence are ordinarily required of all students who desire to offer themselves as candidates for the degree. Every candidate must submit a thesis on some subject approved by the

Dean of the Department. Applicants for the degree of Bachelor of Laws must be at least twenty years of age, and must have completed an academic course equivalent to that of the Freshman and Sophomore years in the College.

MOOT COURT.

The Moot Court is an important factor in legal educational methods; it familiarizes the student with the practical side of law. It is the purpose of the University Court to acquaint the student with the legal details so necessary to be acquired, yet so difficult of access. Regular sessions are held every Saturday evening, and every student in the Law Department has frequent opportunities for practice. The work is thorough and is carried on from the inception of the suit to the final judgment in the Appellate Court.

Court of Appeals.

Judge, Professor MacRae.

Superior Court.

Judge, Edward Holden Farriss.
Solicitor, Ernest Linwood Sawyer.
Clerk, Forest Marion Redd.
Sheriff, James Edward Barry.

EXPENSES PER TERM.

Tuition fee.....$37.50
Registration and Incidental fees..... 10.00
Tuition fee for Elementary Course 5.00

Where full tuition, $37.50, is paid, there is no extra charge for the Elementary Course.

Good board is furnished at Commons Hall for $8 per month. The rent of unfurnished rooms in the dormitories ranges from seventy-five cents to $2.75 per month, for each occupant. For each room a charge of $2.00 per month is made for electric light and for heating.

ADMISSION AND REGISTRATION.

Candidates for admission into the Law School should present themselves on the same days and at the same hours with candidates for admission into the College, either in September or in January. Candidates for admission and students already members of the school are expected to register according to the regulations on page 69. The session of the Law Department is of the same length as the College year. The members of the Law Department enjoy all the privileges extended to other students in the University.

SUMMER LAW SCHOOL.

During the summer two classes in law are conducted by the professors of this department. The text-books used are the same as those required in courses 2 and 3, prescribed by the Supreme Court. The summer session begins on the seventh day of June. 1905, and ends on the Friday before the last Monday in August. The fee for admission into either course is thirty dollars for tuition and three dollars for registration; for admission into both courses, fifty dollars for tuition and three dollars for registration. The tuition is thirty dollars for both courses to students who have attended the regular session for two terms and to licensed attorneys desiring to review the principles of the Law.

All fees are payable in advance.

THE DEPARTMENT OF MEDICINE.

FACULTY AT CHAPEL HILL.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., PRESIDENT, *Professor of Theoretical Chemistry.*

RICHARD HENRY WHITEHEAD, A.B., M.D., *Dean of the Department at Chapel Hill and Professor of Anatomy and Pathology.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Materia Medica and Demonstrator of Anatomy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology and Bacteriology.*

JOSHUA WALKER GORE, C.E., *Professor of Physics.*

HENRY VAN PETERS WILSON, PH.D., *Professor of Zoology.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

WILLIAM CHAMBERS COKER, PH.D., *Associate Professor of Botany.*

JAMES EDWARD LATTA, A.M., *Associate Professor of Physics.*

JAMES EDWARD MILLS, PH.D., *Associate Professor of Chemistry.*

GUSTAVUS CHAMBERS CRAWFORD, A.M., *Associate Professor of Physics.*

ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Chemistry.*

HARRY MURRAY JONES, A.B., *Assistant in Anatomy.*

WILBUR CALHOUN RICE, *Assistant in Anatomy.*

ALBERT WHITEHEAD LATTA, PH.B., *Assistant in Physics.*

WILLIAMS McKIM MARRIOTT, *Assistant in Chemistry.*

WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

EDGAR EUGENE RANDOLPH, A.B., *Assistant in Chemistry.*

WILLIAM GRAY AMICK, *Assistant in Zoology.*

WILLIAM HERBERT KIBLER, *Assistant in Zoology.*

FACULTY AT RALEIGH.

HUBERT ASHLEY ROYSTER, A.B., M.D., *Dean of the Department at Raleigh and Professor of Gynecology.*

WISCONSIN ILLINOIS ROYSTER, M.D., *Professor of Medicine.*

AUGUSTUS WASHINGTON KNOX, M.D , *Professor of Surgery.*

RICHARD HENRY LEWIS, A.B., M.D., *Professor of Diseases of the Eye and of General Hygiene.*

KEMP PLUMMER BATTLE, Jr., A.B., M.D., *Professor of Diseases of the Ear, Nose, and Throat.*

ANDREW WATSON GOODWIN, M.D., *Professor of Diseases of the Skin, and of the Genito-urinary System.*

HENRY McKEE TUCKER, M.D., *Professor of Obstetrics.*

JAMES WILLIAM McGEE, Jr., M.D., *Lecturer on Therapeutics and on Diseases of Children.*

ROBERT SHERWOOD McGEACHY, M.D., *Chief of Dispensary and Lecturer on Anaesthetics.*

WILLIAM DeBERNIERE MacNIDER, M.D., *Demonstrator of Clinical Pathology and of Diagnosis.*

JAMES McKEE, M.D., *Clinical Professor of Mental and Nervous Diseases.*

LEONE BURNS NEWELL, A.B., *Assistant Demonstrator of Clinical Pathology.*

FOUNDATION.

Instruction in Medicine is given in two distinct schools, one situated at the seat of the University, Chapel Hill, and the other in the city of Raleigh.

The Department at Chapel Hill furnishes instruction in the fundamental branches of Medicine—those studies which constitute the scientific basis of medicine and surgery, and which compose the first two years of the medical curriculum. This Department was founded in 1890. In 1898 it was admitted to membership in the Association of American Medical Colleges; in 1901 it was incorporated as an integral part of the University on the same footing as the graduate and other professional departments.

Owing to the absence of clinical facilities at Chapel Hill, instruction in

the third and fourth years of the medical curriculum is conducted by the Department at Raleigh. This Department was opened in the fall of 1902. It enjoys the hospital and other clinical advantages to be found in a city. Its course is limited to the curriculum of the third and fourth years.

THE DEPARTMENT AT CHAPEL HILL.

THE GENERAL PLAN OF INSTRUCTION.

The course of instruction provided by the Department at Chapel Hill extends over a period of two college years, and its successful completion entitles students to entrance into the third year of high-grade medical colleges.

In the arrangement of the courses of study the attempt is made to follow what would seem to be their natural sequence. In the *first year* the student devotes most of his time to anatomical and chemical studies. The studies of Gross and Microscopic Anatomy proceed side by side. In the spring, by which time the student has obtained sufficient knowledge of Chemistry and Anatomy, the study of Physiology is begun.

In the *second year* the study of Anatomy and Physiology is continued. The work in Chemistry is done in the laboratory and is devoted to Qualitative Analysis, Physiological Chemistry, and Toxicology, and continues throughout the year. Pathology is taken up at the beginning of this year, and continued for nine months. Materia Medica is begun in the spring term, after the course in Physiology has been completed. In this year also the class practices exercises in Minor Surgery.

It is still necessary to continue courses in Physics and General Chemistry for the benefit of those students who have not had the advantage of adequate instruction in those subjects. Students who have had courses in Physics and General Chemistry should elect General Zoology and Embryology during the first and second year respectively.

The Department possesses exceptional advantages for its work. It has an adequate corps of trained instructors and good laboratories for the various branches of study; the classes are small, so that the methods of instruction required by modern educational ideals are carried on with com-

parative ease, and each student has the opportunity of seeing the various demonstrations and experiments, receiving direct personal instruction; the students live in the environment of a University, and enjoy all the advantages it offers to young men; moreover, all the laboratories of the academic department as well as the courses in Physics, Chemistry, and Biology are open to medical students.

The majority of the work in most of the branches is carried on in the laboratories. Lectures are not neglected and the value of good text-books is appreciated; but it is considered especially desirable that the student should be brought face to face with nature, so that he will not be satisfied with the mere acquisition of facts, but will have his powers of observation and judgment, so essential to the physician, stimulated and cultivated.

THE CURRICULUM.

The course is arranged in two sessions of nine months each, as follows:

First Year.

Physics. Two hours a week.

General Chemistry. Three lecture hours a week; two hours, laboratory.

Histology. Five hours a week.

Anatomy. Five hours a week until November; fourteen hours a week during November, December, January, and February.

Physiology. Three hours a week during January and February; five hours a week during March, April, and May.

Second Year.

Chemistry. Six hours a week until February.

Anatomy. Five hours a week until November; twelve hours a week during November, December, January, and February.

Bacteriology. Six hours a week, fall term.

Physiology. Three lecture hours and six laboratory hours a week, fall term; three hours a week during January and February.

Pathology. Four hours a week during January and February; eight

hours a week during March, April, and May.

Materia Medica. Five hours a week, spring term.

Minor Surgery. Three hours a week for six weeks, fall term.

Physiological Chemistry. Six hours a week from February to June.

COURSES OF INSTRUCTION.

Chemistry.

Professor VENABLE and Dr. DAVIS.

1. General Descriptive Chemistry. The elements are studied in a systematic manner. The laws governing their combination and the compounds resulting, are considered with appropriate reference to their occurence and relationships to medicine. The latter part of the course is taken up with organic chemistry.

Dr. DAVIS, Messrs. MARRIOTT and RANDOLPH.

9. Qualitative Analysis and Toxicology. Laboratory work with lectures. The behavior of the elements and their compounds is studied in the laboratory. Practice is given in the analysis of known and unknown mixtures with especial reference to the detection of poisons and determination of the purity of drugs.

Text: Venable and Wheeler's *Qualitative Chemical Analysis* and the professor's notes.

This course supplements the lectures given by Professor Mangum on Toxicology.

Physics.

Associate Professor CRAWFORD.

Elementary Physics. The fundamental facts of Physics are studied with some special attention to heat and electricity. Text-book, lectures and experiments.

Text: Carhart and Chute.

Zoology.

Professor WILSON.

1. General Zoology.

An introductory course giving an outline of the classification and structure of animals, with consideration of the fundamentals of

histology, embryology, and physiology, and some consideration of biological theories. Lectures with laboratory work.
Text: Morgan.
Elective in the first year.

2. Vertebrate Histology.

The principal tissues and organs of the vertebrate body are here studied according to the methods of modern microscopy. The individual student is instructed how to make, study, and sketch microscopic preparations, including paraffin and celloidin sections, macerations, and mounts of fresh tissue.
Texts: Schaefer; Stoehr.
Required in the first year.

3. Vertebrate Embryology.

The main facts in the development of a vertebrate animal are here worked out by the student for himself with the aid of explanatory lectures. A brief survey of the early stages of development, including maturation, fertilization, segmentation, and formation of the germ layers is first made upon lower forms (nematode, starfish, teleost, frog). The development of the typical vertebrate organs is then studied in chick embryos. Elective in second year.

Botany.

Associate Professor COKER.

1. General Botany.

An introduction to the structure and classification of plants. Lectures with laboratory work.
Elective in the first year.

Anatomy.

Professors WHITEHEAD and MANGUM, Messrs. JONES and RICE.

The method of instruction is one of dissection and demonstration rather than of lectures. In the first year the body is studied by systems, first the bones, then the muscles, etc. The student does much of the dissecting for himself, but the more difficult dissections are made by the instructor. Frequent practical examinations are held, upon which stress is laid, in order to enforce proper study of the cadaver. In the second year the study proceeds by regions. The student does all the dissecting, but is still under the supervision of an instructor, who examines him upon the work done, and indicates the bearing of anatomical facts upon surgical

operations. During this year there is a special laboratory study of the anatomy of the central nervous system.

Text: Gray or Morris; Whitehead's *Anatomy of the Brain.*

Physiology.

Professor MANNING.

The study of physiology is begun in the spring term of the first year, during which the physiology of digestion, the digestive glands, blood, respiration, metabolism, excretion, and animal heat is considered in lectures illustrated by experiments. The study is continued in the fall term of the second year by the consideration of the physiology of the muscles and of the nervous system. During this term also the student learns the methods of experimental physiology by means of class work in the laboratory.

Physiological Chemistry is taught as a part of the course in physiology by means of lectures and laboratory work, in which will be studied the chemistry of the proximate principles, digestion including examination of the digestive juices, the blood, milk, urine normal and pathological, and foods.

Texts: *The American Text-book*; Stewart; Simon's *Physiological Chemistry.*

Materia Medica and Pharmacology.

Professor MANGUM.

This course is devoted to the study of the origin and constitution of remedial measures, their preparation and doses, and in particular their physiological action and the indications for their rational use. Opportunity will be given to students to familiarize themselves with the more important crude drugs and their preparations. Instruction is given by means of lectures, recitations, and demonstrations. The lectures which accompany the work in Toxicology are given as a part of the course in Materia Medica.

Text: Stevens, or Hare, or Willcox and White.

Pathology.

Professor MANNING and Mr. JONES.

1. Bacteriology. The student learns by practical experience the methods of cultivating, staining, and identifying the principal bacteria, the pathological significance of which is explained by lectures and demonstrated by inoculation of animals. In this way the chief bacteria are studied in pure culture, after which the methods of obtaining pure cultures from mixtures of bacteria are learned. The necessary manipulations are all carried on by the student, who thus obtains a useful practical knowledge of the subject.

   Text: Muir and Ritchie.

Professor WHITEHEAD and MR. JONES.

2. Pathological Histology. In this course the various morbid processes which affect the tissues are discussed in lectures and studied with the microscope. The laboratory is well supplied with pathological material, and each student stains, mounts, and studies a large number of sections extending over almost the whole range of pathology, upon which he is required to stand a practical examination.

   Text: Green.

Minor Surgery.

Professor MANGUM.

The class practices the application of bandages, and learns the modern methods of dressing wounds.

Text: Davis on Bandaging.

ENTRANCE REQUIREMENTS.

Students desiring to matriculate will be required, except under the circumstances noted hereafter, to pass the following entrance examinations:

1. In English, a composition on some subject of general interest, which must be written by the applicant at the time of the examination, and must contain at least two hundred words,

2. In Arithmetic, such questions as will show a thorough knowledge of common and decimal fractions, compound numbers, ratio and proportion.

3. In Algebra, questions covering the fundamental operations, factoring, and simple quadratic equations.

4. In Latin, an examination upon such elementary work as the student may offer, showing a familiarity usually attained by one year of study.

In place of this examination or any part of it, the official certificates of high schools will be accepted.

Students who are unable to pass the above entrance examinations, may matriculate provided they are not deficient in more than one subject. The deficiencies must be made up before entering the second year. For such deficient students instruction will be provided without additional tuition fees.

PRIZES AND SCHOLARSHIPS.

The Harris Prize. (Established in 1895.) Mrs. T. W. Harris offers, in honor of the late Dr. T. W. Harris, a pocket case of instruments to that student who shall make the best grade in Anatomy.

The Wood Scholarship. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her husband, the late Dr. Thomas Fanning Wood, a scholarship of the value of ninety dollars.

EXPENSES.

The following are the charges per term payable at the beginning of each term in September and January respectively:

Tuition.....$37.50.
Registration.....$10.00.

In addition, first-year students pay a laboratory fee in histology of $5 per term; and in chemistry of $1.25 per term. Second-year students pay a laboratory fee in chemistry of $5.00.

Good board is furnished at Commons Hall for $8.00 a month. The rent of unfurnished rooms in the dormitories ranges from seventy-five cents to $2.75 per month, for each occupant. For each room a charge of $2.00 per month is made for electric light and for heat.

ADMISSION AND REGISTRATION.

Candidates for admission and students already members of the school should present themselves to the President for registration on *Monday*, *Tuesday*, or *Wednesday*, *September 11*, *12*, or *13*, *1905*, and *Tuesday*, *Wednesday*, or *Thursday*, *January 2*, *3*, or *4*, *1906*.

The session of the Medical School is of the same length as the college year, beginning September 11, 1905, and ending June 6, 1906.

All members of the Medical School enjoy the same privileges accorded to other students in the University.

THE DEPARTMENT AT RALEIGH.

LOCATION AND FACILITIES.

The advantages afforded by the city of Raleigh for the advanced work of the University Medical Department are numerous. It is the most accessible of the State's larger cities and has already become one of its educational centres. Comprising, with the suburbs, a population of 25,000, it offers clinical facilities second to none in North Carolina. Two hospitals admit students of medicine for instruction. These hospitals are attended by the Faculty of the Medical Department and special care is given to individual teaching with the varied material found in them. Besides these hospitals, there are many available public institutions which furnish valuable privileges to students of the University.

THE CURRICULUM.

The course is arranged for two sessions of nine months each, known as the third and fourth years, as follows:

Third Year.

Medicine. Four hours a week.
Surgery. Four hours a week.

Obstetrics. Three hours a week.
Physical Diagnosis. Three hours a week.
Hygiene. One hour a week (fall term).
Clinical Pathology. Five hours a week.
Therapeutics. One hour a week.

Fourth Year.

Medicine. Four hours a week.
Surgery. Four hours a week.
Gynecology. Two hours a week.
Pediatrics. Two hours a week.
Clinical Pathology. Three hours a week.
Diseases of the Eye. Two hours a week.
Diseases of the Ear, Nose, and Throat. Two hours a week.
Diseases of the Skin and Genito-urinary System. One hour a week.
Nervous and Mental Diseases. One hour a week (spring term).
Dispensary. Six hours a week.

These include the weekly clinics and ward classes, by means of which students receive thorough, individual, practical instruction.

COURSES OF INSTRUCTION.

Medicine.

Professor W. I. Royster and Dr. MacNider.

This subject is taught by didactic lectures, ward classes and general clinics. Cases are assigned to students and examinations are held upon their work. History-writing receives due attention.

In the third year are treated the infectious diseases, diseases of the blood and the digestive system.

Individual instruction is given in the methods of physical diagnosis.

In the fourth year are studied the diseases of the respiratory system, heart, and kidneys, and the general diseases. There are weekly clinics and ward classes.

Texts: Osler, Tyson.

Surgery.

Professor KNOX and Dr. MCGEACHY.

In the third year are treated the principles of surgery, wounds, minor operations, and bandaging. Ward classes and dispensary work furnish ample demonstrations of the subjects described in the lectures.

The fourth year is devoted to the general practice of surgery and the major operations. A special course in anaesthetics is given to each student. At all the clinics students will be able, by personal observations at short range, to witness every step of an operation and thus familiarize themselves with the details.

Text: Wyeth.

Obstetrics.

Professor TUCKER.

Lectures, recitations, and clinical experience. Fundamental obstetric principles receive the closest attention. A number of maternity cases are available for instructing students in the management of labor and the lying-in period. Each student must have attended the prescribed number of labors before he is entitled to a diploma.

Text: Hirst.

Gynecology.

Professor H. A. ROYSTER.

Lectures covering the entire field of diseases of women from the simplest procedure to the more serious operations. Illustrative clinics are held weekly. In many cases students are allowed to assist in the operations. Practice in pelvic examinations is given constantly to each student, for the purpose of enabling him to make correct gynecological diagnoses. An abundance of material is always available.

Text: Penrose.

Therapeutics.

Dr. MCGEE

The whole subject is thoroughly discussed by means of recitations and demonstrations, with constant drill on important drugs.

Text: Hare.

Diseases of the Eye.

Professor Lewis.

This course is conducted by means of lectures with clinics and dispensary classes, and furnishes what is absolutely essential for the general practitioner. Mastery of the principles is insisted upon. An abundance of illustrative material is presented in clinics and dispensary classes.

Text: May.

Diseases of the Ear, Nose, and Throat.

Professor Battle.

Lectures and demonstrations with opportunities for investigating cases under direct supervision. A knowledge of these diseases is recognized as necessary for every physician. Particular care is devoted to personal demonstration.

Text: Bishop.

Diseases of Children.

Dr. McGee.

Lectures and bed-side demonstrations. Special emphasis is given to the diagnosis and treatment of the infectious diseases and to the care of infants. A large number of dispensary cases are seen.

Text: Holt.

Clinical Pathology and Diagnosis.

Dr. MacNider and Mr. Newell.

Great stress is laid upon the association of laboratory technique with cases actually under observation. Examinations of blood, urine, sputum, pus, tumors, etc., are made by the student with the assistance of the demonstrators. The equipment is excellent.

Text: Simon.

General Hygiene.

Professor Lewis.

The principles and laws of hygiene and sanitation and the most ap-

proved practical methods established by modern science. A knowledge of hygiene and sanitation is very necessary for physicians in every community. Extraordinary opportunities will be given for investigating the workings of the State sanitary laws.

Text: Bergey.

Nervous and Mental Diseases.

Clinical Professor McKee.

Practical instruction is given in the principles of the subject from material furnished by one of the State's largest insane hospitals.

Diseases of the Skin and Genito-urinary System.

Professor Goodwin.

Instruction is given by means of lectures, recitations, and dispensary work. Attention to correct diagnosis is insisted upon. Modern methods are carefully studied.

Texts: Stelwagon, Chatwood.

THE CITY FREE DISPENSARY.

Dr. McGeachy, *Physician in Chief.*

By special arrangement, the city of Raleigh has allowed the establishment of a Free Dispensary, to which all the outdoor city patients come for treatment. Thus every possible case is utilized as clinical material for students of medicine. Here will be found unusual privileges of personal observation. At certain times each student may conduct the dispensary work on his own account under the direction of the instructors.

DEGREE.

The degree of Doctor of Medicine will be conferred by the Board of Trustees upon students who are recommended for graduation by the Fac-

ulty. Candidates must have devoted at least four full years to the study of medicine and the fourth year, at least, must have been spent in this school, the other three in this or other recognized schools of medicine. Candidates must have passed satisfactory examinations in all subjects required for the degree.

EXPENSES.

The following are the charges per term, payable at the beginning of each term:—

Tuition.....$37.50

At graduation a charge of $5.00 is made for the diploma. Board may be obtained in the city at prices ranging from $12.50 to $15 per month.

ADMISSION.

Students will be admitted to the Medical Department at Raleigh upon completion of the preparatory two years' course at Chapel Hill, or its equivalent. Preliminary examinations will be required, if deemed necessary.

Students may be admitted to advanced standing who present evidence of having fulfilled the requirements of this department with respect to preliminary education, and of having completed at accredited medical schools the courses required in the preceding years.

REGISTRATION.

Students should present themselves for registration on *Monday, Tuesday,* or *Wednesday, September 11, 12,* or *13, 1905,* and on *Tuesday, Wednesday,* or *Thursday, January 2, 3,* or *4, 1906.*

THE DEPARTMENT OF PHARMACY.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., D.SC.,LL.D , PRESIDENT *and Professor of Theoretical Chemistry.*

EDWARD VERNON HOWELL, A.B., PH.G., *Dean and Professor of Pharmacy.*

JOSHUA WALKER GORE, C. E., *Professor of Physics.*

HENRY VAN PETERS WILSON, PH.D., *Professor of Zoology.*

CHARLES STAPLES MANGUM, A.B., M.D , *Professor of Materia Medica.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

WILLIAM CHAMBERS COKER, PH.D., *Associate Professor of Botany.*

JAMES EDWARD LATTA, A.M., *Associate Professor of Physics.*

JAMES EDWARD MILLS, PH.D., *Associate Professor of Chemistry.*

GUSTAVUS CHAMBERS CRAWFORD, A.M., *Associate Professor of Physics.*

ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Chemistry.*

CLARENCE FLAGLER, *Assistant in Pharmaceutical Laboratory.*

WILLIAMS McKIM MARRIOTT, *Assistant in Chemistry.*

WADE HAMPTON OLDHAM, *Assistant in Chemistry.*

EDGAR EUGENE RANDOLPH, A.B., *Assistant in Chemistry.*

WILLIAM GRAY AMICK, *Assistant in Zoology.*

WILLIAM HERBERT KIBLER, *Assistant in Zoology.*

ROBERT FREDERICK LEINBACH, *Assistant in Zoology.*

HARRY ARDELL ALLARD, *Assistant in Botany.*

FOUNDATION.

The Department of Pharmacy was established in 1897 and was opened for students in September of that year. Its location at the seat of the University assures to its students the most modern scientific instruction with all the laboratory facilities of the academic department, as well as the courses of instruction in allied branches. These opportunities will meet the requirements of the large number of students who were compelled heretofore to obtain their pharmaceutical education in other States. Briefly stated, the advantages are as follows:

1. Thorough, careful, *individual* instruction.

2. The practical experience derived from active work in the laboratories.

3. Intimate association with the other departments of the Univerity, to all of which the student of pharmacy has access, and the daily contact with students pursuing various branches of learning.

4. The use of the large library and reading room and the well equipped gymnasium.

5. The comparatively small cost at which a two-years' course may be obtained.

6. The length of the course, which consists of two sessions of nine months each,—nearly a fourth longer than in many of the Colleges of Pharmacy.

The success of the students of this Department in their examinations before State Boards has been very gratifying. Students of this Department have been applicants before the State Boards of Maryland, Pennsylvania and North Carolina. None of the graduates of this Department applying for license before State Boards have failed to pass the examinations.

ARRANGEMENT OF COURSES.

The courses are arranged for two sessions of nine months each, and lead to the degree of Graduate of Pharmacy (PH.G.).

First Year.

Theory and Practice of Pharmacy, Practical Course in Operative Pharmacy, Elementary Physics, Descriptive Chemistry, Physiology, (optional), Lectures on Pharmaceutical Botany.

Second Year.

Theory and Practice of Pharmacy, Practical Course in Operative Pharmacy, General Zoology, (optional), Botany, (optional), Materia Medica, Pharmacology, and Toxicology, Qualitative Analysis, Urinary Analysis.

COURSES OF INSTRUCTION.

Pharmacy.

Professor HOWELL.

1. Theory and Practice of Pharmacy. First year. *Five hours.*

   This course consists of lectures upon the following subjects, with practical demonstration and the employment of proper apparatus whenever necessary:
   Metrology, comminution, heat, evaporation, distillation, sublimation.
   Fusion, calcination, granulation, oxidation, reduction, etc.
   Solution of solids, liquids and gases; deliquesence, effloresence, etc.
   Colation, filtration, decolorization, clarification, precipitation, etc.
   Maceration, expression, infusion, decoction, etc.
   Percolation, and the preparation and study of the following: waters, syrups, honeys, glycerites, mucilages, mixtures, spirits, elixirs, liniments, collodions, tinctures, wines, vinegars, and fluid extracts.

   Text: Remington, *Theory and Practice of Pharmacy.*

2. Theory and Practice of Pharmacy. Second year. *Five hours.*

   The official forms and preparations of drugs are taken up in detail. Beginning with the inorganic compounds, the salts are considered with regard to their commercial qualities and pharmaceutical uses and preparations. The organic compounds are studied, commencing with the salts of the organic acids and passing to the natural and organic compounds.

3. Lectures on Pharmaceutical Botany. *Two hours (spring term).*

   This course is preparatory to the study of Materia Medica, and takes up the study of the flower, the various topics of fruits, seeds, etc.,

and a careful study of the descriptive terms as applied to leaves, stems and roots. Instruction is given in the gathering and proper mounting of specimens of the various official herbs that grow in this vicinity.

Materia Medica, Pharmacology, and Toxicology.

Professor HOWELL.

1. Materia Medica. Lectures on the geographical and botanical sources of drugs; descriptions and uses of the same, together with their official preparations and doses. *Three hours (fall term).*

Opportunity is given to the student to familiarize himself with most of the crude drugs and their preparations.

Text: White and Wilcox.

Professor MANGUM.

2. Materia Medica and Pharmacology. This course is devoted to the study of the origin and constitution of remedial measures, their preparations and doses; and in particular, their physiological action and the indications for their rational use. Opportunity will be given to students to familiarize themselves with the more important crude drugs and their preparations. Instruction is given by means of lectures, recitations, and demonstrations. The lectures intended to accompany the work in Toxicology are given as a part of the course in Materia Medica.

Physics.

Associate Professor CRAWFORD.

Elementary Physics. The fundamental facts of Physics are studied with some special attention to heat and electricity. Text-book, lectures, and experiments. *Two hours.*

Chemistry.

Professor VENABLE and Dr. DAVIS.

1. General Descriptive Chemistry. The elements are studied in a systematic manner. The laws governing their combination, and the

compounds resulting, are considered with appropriate reference to their occurrence and relationships to medicine. The latter part of the course is taken up with organic chemistry. *First year, three hours*, lectures, and *two hours*, laboratory.

Texts: Venable and Howe's *Inorganic Chemistry According to the Periodic Law*, and Remsen's *Organic Chemistry*, supplemented by lectures and quizzes.

Dr. Davis, Messrs. Marriott and Randolph.

9. Qualitative Analysis and Toxicology. Laboratory work with lectures. The behavior of the elements and their compounds is studied in the laboratory. Practice is given in the analysis of known and unknown mixtures with especial reference to the detection of poisons and determination of the purity of drugs. *Second year (September to February), three hours.*

Text: Venable and Wheeler's *Qualitative Chemical Analysis* and the professor's notes.

This course supplements the lectures given by Professor Mangum on Toxicology.

Associate Professor Wheeler.

10. Physiological Chemistry including Urinary Analysis. Lectures and laboratory work. The latter includes examination of bones, blood, gastric and intestinal juices, bile, milk, urine, and foods. *Second year (February to June), three hours.*

Text: Halliburton's *Chemical Physiology* and Jackson's *Laboratory Methods in Physiological Chemistry.*

The following courses are not required of students in Pharmacy but may be elected profitably:

Physiology.

Professor Manning.

The study of physiology is begun in the spring term of the first year, during which the physiology of digestion, the digestive glands, blood, respiration, metabolism, excretion, and animal heat is considered in lectures illustrated by experiments. The study is continued in the fall term of the second year by the consideration of the physiology of the muscles and of the nervous system.

During this term also the student learns the methods of experimental physiology by means of class work in the laboratory. *Three hours (each term).*

Texts: *American Text-book*, Stewart, or Kirke.

Zoology.

Professor WILSON.

1. General Zoology. *Three hours.*

An introductory course giving an outline of the classification and structure of animals, with consideration of the fundamentals of histology, embryology, and physiology, and some consideration of biological theories. Lectures with laboratory work.

Text: Morgan.

Botany.

Associate Professor COKER.

9. General introduction to Systematic Botany, with special attention to medical plants. Laboratory and field work with recitations. *Three hours (spring term).*

Open to students of Pharmacy only.

Prescription Filling.

Professor HOWELL.

In order that students may gain experience in presciption filling, a course in the practical every day work of a drug store and in selling poisons and filling prescriptions is given. The prescriptions selected are those that will give the largest amount of practical experience. For this course a fee of ten dollars is required, to cover the cost of ingredients, bottles, labels, etc.

OPTIONAL COURSES.

The following optional courses may be taken on the payment of a smal laboratory fee to cover cost of materials, etc.

Industrial Chemistry. Lectures. The application of chemistry to the arts and industries. *Three hours.*

This course includes metallurgy, glass making, pottery, (*fall term*); food, clothing, building materials, explosives, photography, etc., (*spring term*).

Agricultural Chemistry. Lectures. *Three hours* (*spring term*).

This course includes the chemistry of the plant and the soil, and the discussion of plant food, etc. Many specimens have been collected in the Industrial Museum to illustrate this course and the preceding one.

Quantitative Analysis and Assaying. Laboratory work. *Three hours.*

This course is intended to give the student a thorough grounding in analytical methods and manipulations.

Quantitative Analysis. Laboratory work. *Five hours.*

The student in this course is led further into the study and practice of analytical methods. The work may take any special direction desired by him, fitting him to be an agricultural chemist, iron chemist, manufacturing chemist, physician, druggist, or teacher of chemistry. Encouragement is given to the student to make original researches.

Determinative Mineralogy. Lectures with laboratory work. Dana's Text-book of Mineralogy. *Two hours.*

Bacteriology. *Six hours* (*fall term*).

The student learns by practical experience the methods of cultivating, staining, and identifying the principal bacteria, and their pathological significance is explained by lectures and demonstrations by inoculation of animals. In this way the chief pathogenic bacteria are studied in pure culture on the various media, after which the methods of obtaining pure culture from mixtures of bacteria are learned. The necessary manipulations are carried out by the students, who thus obtain a practical knowledge of the subject which can be gained in no other way.

Students in Pharmacy have also the privilege of attending any of the regular academic courses.

EXAMINATIONS.

Final examinations are held at the end of each term on the subjects embraced in the course.

An average of 70 per cent. on the intermediate and final examinations is required to pass in the various branches.

QUIZZES.

Quizzes upon the different branches are regularly held. Specimen quizzes upon Materia Medica, Chemistry, and Pharmacy are held once a week, and consist in the recognition and correct writing of the official name of the specimen presented.

Students are required to make an average of 70 per cent. on the examinations given on specimens at the close of each term.

THE PHARMACEUTICAL LABORATORY.

Officers.

Edward Vernon Howell, A.B., Ph.G., Director and *Professor of Pharmacy.*

Clarence Flagler, *Assistant in the Pharmaceutical Laboratory.*

The rooms of the Pharmaceutical Laboratory are admirably adapted to this purpose. They are conveniently situated on the first floor, are well lighted and well equipped with water, electric lights, and gas. To each student is assigned a desk, provided with lock and key, and containing all the apparatus necessary for the every day work of a pharmacist. In the store room is kept a supply of materials for practical work, as well as the apparatus for the more complex operations. Ample space is provided for work at the prescription counter, where practical instruction in the compounding and dispensing of prescriptions is given.

A small deposit fee is required to cover the cost of breakage of apparatus. At the end of the session this fee will be returned, less the amount of breakage.

OTHER LABORATORIES.

The laboratories of Physics, Chemistry, and Biology are open to students in Pharmacy. These laboratories are all equipped with the most improved apparatus for experimentation and illustration of lectures.

READING ROOM AND LIBRARY.

The Pharmaceutical Department is provided with a well selected library and with a reading room, inaugurated by the class of 1897, in which are filed a large number of medical and pharmaceutical journals.

In addition to these advantages, students of this department enjoy the privileges of the University reading room, in which are filed all the leading newspapers and magazines, and free access to the University Library, which numbers forty-two thousand volumes and twenty thousand pamphlets.

REQUIREMENTS FOR GRADUATION.

Every person upon whom the degree of Graduate in Pharmacy of this University shall be conferred, must have completed the work of both years in the Department of Pharmacy of this University, or one course (that of the second year) here after one in some recognized college of Pharmacy. He must obtain satisfactory marking in attendance and make a general average of 70 per cent. in the various branches, and submit a satisfactory thesis.

He must also have had a practical experience of at least four years with some qualified pharmacist or pharmacists in a dispensing store. Satisfactory evidence on this point must be submitted to the head of the Department.

Students who have not had the full four years' experience will be permitted to stand examinations for graduation; but their diplomas will be withheld until they shall have satisfied this requirement.

THESES.

The thesis must be an original essay embodying the results of the student's personal research in some branch of pharmacy, which he has prosecuted under the direction of the professor who has assigned him the subject. The thesis will be published at the discretion of the professor.

The thesis, together with certificate of time of practical experience, must be deposited with the Registrar on or before May 1.

PRIZES.

The Bradham Prize, offered by Mr. C. D. Bradham, of Newbern, N. C., will be given to the student making the highest general average during the two years of study.

The Gilpin Langdon Prize, offered by Messrs. Gilpin Langdon & Co., of Baltimore, Md., will be given to the student making the best line of preparations in the pharmaceutical laboratory.

Prizes will also be given:

1. For the best thesis.
2. For the best collection of native medicinal herbs.
3. For the best exhibit of chemical salts made by a second year student.
4. For the best work in the recognition of materia medica specimens.
5. To the student recognizing the largest number of pharmaceutical preparations.

EXPENSES.

The charges of each term are payable at the beginning of the term. They are as follows:

Tuition	$30.00
Registration and incidental fees	10.00

For chemistry 1 there is a fee of $1.25; for Chemistry 9 and 10, a fee of $5.00. In the Prescription course there is a fee of $10.00.

The students of Pharmacy are entitled to the use of the gymnasium, the library and reading room, and, in case of sickness, to medical attention and the use of the infirmary.

Good board is furnished at Commons Hall for $8.00 per month. The rent of unfurnished rooms ranges from 75 cents to $2.75 per month. For each room is made a charge of $2.00 per month for electric light and heating.

ADMISSION AND REGISTRATION.

Candidates for admission into the Department of Pharmacy should present themselves on the same days and at the same hours with candidates for admission into the College. For the next academic year, these days will be *Monday*, *Tuesday*, or *Wednesday*, *September 11*, *12*, *or 13*, *1905*, and *Tuesday*, *Wednesday*, or *Thursday*, *January 2*, *3*, or *4*, *1906*. The session of the Department of Pharmacy is of the same length as the College year, beginning *September 11*, *1905*, and ending *June 6*, *1906*.

The members of the Department of Pharmacy enjoy all the privileges extended to other students in the University.

STUDENTS (1904-1905).

Graduates.

Name.	Year.	Residence.
Askew, Edward Stephenson, A.B., 1899. Economics, English.	*First*,	Windsor.
Bernard, William Stanly, A.M., 1904. Greek, Latin, English. Candidate for Ph.D.	*Fourth*,	Greenville.
Carmichael, William Donald, Jr., Ph.B., 1897.	*First*,	Durham.
Connor, Robert Diggs Wimberly, Ph.B., 1899. History, Latin, English. Candidate for A.M.	*Second*,	Wilmington.
Crowell, George Henry, Ph.B., 1892. History, English, Latin. Candidate for A.M.	*Third*,	High Point.
Curtis, Nathaniel Cortlandt, Ph.B., 1900; B.S., Columbia, 1904. English, Mathematics.	*First*,	Chapel Hill.
Daniels, Virgil Clayton, Ph.B., 1904. Chemistry, English, Philosophy. Candidate for A.M.	*First*,	Oriental.
Faires, Rosabelle Simonton, English.	*Second*,	Statesville.
Harding, Henry Patrick, A.B., 1899. Pedagogy, History, English, Latin. Candidate for A.M.	*Second*,	Newbern.
Irwin, James Preston, B.S., 1904. Chemistry.	*First*,	Charlotte.
Jacocks, William Picard, A.B., 1904. History, Pedagogy, French. Candidate for A.M.	*First*,	Windsor.
Jones, Harry Murray, A.B., 1903. Chemistry, Biology, Physiology, English. Candidate for A.M	*First*,	Franklin.
Latta, Albert Whitehead, Ph.B., 1904. Physics, Mathematics. Candidate for A.M.	*First*,	Raleigh.
McCanless, Walter Frederick, Ph.B., 1904. English, Pedagogy, German, History. Candidate for A.M.	*First*,	Trinity.
McKie, George McFarland, Graduate Emerson School of Oratory. Philosophy, German, French.	*Third*,	Chapel Hill.
Mann, Wade Hampton, A.B., 1904.	*First*,	Saxapahaw.
Marriott, Williams McKim, B.S., 1904 Chemistry, Physics. Candidate for S.M.	*First*,	Chapel Hill.

Miller, Claude Lee, *First*, Shelby.
Ph.B , 1900. Chemistry.

Oldham, Wade Hampton, *First*, Moore.
Chemistry, Geology. Candidate for A.M.

Pelton, Mabell Shippie Clarke, *First*, Arden.
A B., 1887, Boston University. English, French.

Perry, Rex William, *First*, Pendleton, S. C.
Chemistry, Mathematics, Geology. Candidate for A.M.

Plyler, Marion Timothy, *Second*, Chapel Hill.
A.B., Trinity College, 1892. English, Philosophy, History. Candidate for A.M.

Randolph, Edgar Eugene, *First*, Charlotte.
A.B., 1904. History, English, Economics, Philosophy. Candidate for A.M.

Sifford, Ernest, *First*, Charlotte.
Ph.B., 1904. Chemistry.

Stacy, Marvin Hendrix, *Second*, Morven.
Ph.B., 1902; A.M., 1904. Mathematics.

Strowd, Thomas Wilson, *First*, Chapel Hill.

Underhill, Wingate, *First*, Kinston.
A.B., 1897.

Vaughan, John Henry, *First*, Siloam.
Ph.B., 1904. History, English, Philosophy, Economics, German. Candidate for A.M.

Whitehead, Albert Carlton, *First*, Eastman, Ga.
A.B., Ga. A. & M. College. Mathematics, Physics, French. Candidate for A.M.

Whitehurst, Harold, *Second*, Newbern.
A.B., 1903. Greek, Latin, English. Candidate for A.M.

Wilson, Henry Evan Davis, *Second*, Norfolk, Va.
Ph.B., 1900. English, History, Latin. Candidate for A.M.

Wilson, Louis Round, *Sixth*. Chapel Hill.
A B., 1899, A.M., 1902. English, German. Candidate for Ph.D.

Wright, Isaac Clark, *First*, Coharie.

Wright, Robert Herring, *First*, Baltimore, Md.
B S., 1897.

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Senior Class.

Allard, Harry Ardell, *Sci.*, Oxford, Mass.

Amick, William Gray, *Phil.*, Liberty.

Barnhardt, Charles Carroll, *Phil.*, Whitsett.

Boone, Samuel Bell, *Arts*, Jackson.

Brigman, Lindo, *Arts*, Rockingham.

Brower, James Frederick, *Phil.*, Winston-Salem.

Carr, Claiborn MacDowell, *Arts*, Durham.

Cathey, William Cecil,	*Phil.*,	Charlotte.
Cole, Worth,	*Phil.*,	Charlotte.
Cole, Walter Francis, B.S. *Clemson*, '02,	*Arts*,	Rockingham.
Cox, Francis Augustus,	*Arts*,	Penelo.
Cox, John Robert,	*Phil.*,	Fremont.
Davis, Henry Wiley,	*Sci.*,	Salisbury.
Emerson, Horace Mann, Jr.,	*Sci.*,	Wilmington.
Gudger, Hubert Barnard,	*Phil.*,	Asheville.
Harris, Julia Hamlet,	*Arts*,	Raleigh.
Haywood, Hubert Benbury,	*Phil.*,	Raleigh.
Hendley, Charles James,	*Arts*,	Elmwood.
Higdon, Thomas Bragg,	*Arts*,	Higdonville.
Hines, Julian Colegate, Jr.,	*Sci.*,	Morven.
Howard, Jasper Victor,	*Arts*,	Kinston.
Jones, Hamilton McRary,	*Arts*,	Warrenton.
Jordan, Strowd,	*Arts*,	Caldwell Institute.
Kelly, Laughlin McLeod,	*Sci.*,	Carthage.
King, Albert Hill,	*Arts*,	Chapel Hill.
Lassiter, Benjamin Kittrell,	*Phil.*,	Oxford.
Lassiter, Robert Gilliam,	*Sci.*,	Oxford.
Ledbetter, Penlie Briscoe,	*Phil.*,	Davidson River.
Lewis, Henry Stuart,	*Sci.*,	Jackson.
Lewis, Roger Gregory,	*Arts*,	Littleton.
McLean, Frank,	*Arts*,	Maxton.
MacNider, George Mallett,	*Sci.*,	Chapel Hill.
Matthews, Leonard W.,	*Arts*,	Matthews.
A.B., *Presbyterian College of S. C.*, 1902.		
Miller, Charles Walter,	*Phil.*,	Sutherlands.
Moore, Andrew Jackson,	*Phil.*,	Greenville.
Murphy, James Bumgardner,	*Sci.*,	Morganton.
Nixon, Kemp Battle,	*Sci.*,	Lincolnton.
Noble, Albert Morris, Jr.,	*Phil.*,	Selma.
Noble, Robert Primrose,	*Phil.*,	Selma.
Oldham, Wade Hampton,	*Sci.*,	Moore.
Paddison, George Lucas,	*Arts*,	Burgaw.
Perrett, Walter Kenneth,	*Phil.*,	Whitsett.
Perry, Rex William,	*Arts*,	Pendleton, S. C.

Philips, Henry Hyman,	*Sci.*,	Tarboro.
Robertson, Judge Buxton,	*Phil.*,	Hartshorn.
Rogers, Paul Hamilton,	*Phil.*,	Society Hill, S. C.
Ross, Otho Bescent,	*Arts*,	Charlotte.
Rountree, Louis Gustavus,	*Arts*,	Brooklyn, N. Y.
Shore, William Thomas.	*Sci.*,	Charlotte.
Singletary, George Currie,	*Arts*,	Clarkton.
Sitton, Charles Vedder,	*Sci.*,	Pendleton.
Sloan, Charles Henry,	*Phil.*,	Belmont.
Tabor, George Leroy,	*Sci.*,	Chapel Hill.
Townsend, Newman Alexander,	*Phil.*,	Raynham.
Tyson, John Joyner,	*Sci.*,	Greenville.
Walters, Charles Manly, PH.B., *Elon College*, 1904.	*Arts*,	Burlington.
Whitaker, George Thomas, A.B., *Elon College*, 1904.	*Arts*,	Letha.
Wilson, John Kenyon,	*Arts*,	Elizabeth City.
Worth, Henry Venable,	*Sci.*,	Asheboro.
Wrenn, Clement,	*Phil.*,	Mount Airy.
Wright, Isaac Clarke,	*Arts*,	Coharie.
Wade, James Lloyd,	*Phil.*,	Dunn.

JUNIOR CLASS.

1906

Attmore, George Sittgreaves, Jr.,	*Arts*,	Stonewall.
Bagby, Charles Whitfield,	*Arts*,	High Point.
Bahnson, Agnew Hunter,	*Phil.*,	Winston-Salem.
Brown, Roy Melton,	*Phil.*,	Rutherwood.
Buchanan, Corsey Candler,	*Sci.*,	Sylva.
Burwell, Edmond Strudwick,	*Phil.*,	Charlotte.
Burwood, George Norwood,	*Opt.*,	Goldsboro.
Calder, Robert Edward,	*Sci.*,	Wilmington.
Cheshire, Theophilus Parker,	*Arts*,	Tarboro.
Clark, Jerome Bayard,	*Arts*,	Clarkton.
Claytor, Numa Reid,	*Phil.*,	Durham.
Crawford, Frederick Mull,	*Phil.*,	Reidsville.
Crump, Walter Moore,	*Sci.*,	Salisbury.
Dalton, Archie Carter,	*Phil.*,	Greensboro.

Drane, Franklin Parker,	*Phil.*,	Edenton.
Duncan, James Shepard,	*Arts*,	Beaufort.
Edmonson, Frank Alexander,	*Arts*,	Morganton.
Emerson, Horace Mann, Jr.,	*Sci.*,	Wilmington.
Farrow, Garrason Anglo,	*Arts*,	Newbern.
Fletcher, Arthur Lloyd,	*Arts*,	Jefferson.
Galloway, Thomas B.,	*Sci*,	Quebec.
Gore, Walter Thomas,	*Arts*,	Winchester, Va.
Goslen, Junius Blake,	*Phil.*,	Winston Salem.
Grimes, William Lawrence,	*Arts*,	Lexington.
Haselden, William Rutherford,	*Arts*,	Chapel Hill.
Hassell, Charles,	*Elect. Law*,	Williamston.
Heide, Samuel Skinner,	*Sci.*,	Wilmington.
Henry, Ray,	*Arts*,	Lilesville.
Hughes, Nicholas Collin, Jr.,	*Arts*,	Chocowinity.
Johnson, Annie Susan,	*Arts*,	Lumber Bridge.
Jones, Hamilton Chamberlain, Jr.,	*Arts*,	Charlotte.
Kerr, James Stevens,	*Arts*,	Clinton.
King, Isham,	*Arts*,	Sanford.
Littleton, Henry Ward,	*Arts*,	Albemarle.
Love, Walter Bennett,	*Arts*,	Monroe.
Noble, Robert Primrose,	*Phil.*,	Selma.
McCain, Hugh White,	*Arts*,	Waxhaw.
McDiarmid, Hecter McKinnon,	*Arts*,	Raeford.
McLain, Robert Henry,	*Arts*,	Concord.
McNider, James Small,	*Phil.*,	Chapanoke.
Mann, William Henry Lee,	*Arts*,	Saxapahaw.
Martin, Charles Wigg,	*Chem.*,	Portsmouth, Va.
Miller, Thomas Grier,	*Arts*,	Statesville.
Mills, Quincy Sharpe,	*Arts*,	Statesville.
Moore, Louis Toomer,	*Arts*,	Wilmington.
Nichols, Austin Flint,	*Arts*,	Roxboro.
Parker, John Archibald,	*Phil.*,	Duke.
Perry, Bennett Hester,	*Phil.*,	Henderson.
Pogue, Joseph Ezekiel, Jr.,	*Arts*,	Raleigh.
Reynolds, Robert Rice,	*Sci.*,	Asheville.

Royal, Benjamin Franklin,	*Arts*,	Morehead City.
Scott, Ruby Theodore,	*Arts*,	Morrisville.
Seagle, Perry Edgar,	*Arts*,	Hendersonville.
Stancell, Samuel Turner,	*Arts*,	Margarettesville.
Staton, John Arthur,	*Arts*,	Bethel.
Stephenson, Victor Lee,	*Arts*,	Statesville.
Thomas, George Gillette, Jr.,	*Sci.*,	Wilmington.
Upchurch, William Merriman,	*Phil.*,	Morrisville.
Washburn, Benjamin Earl,	*Phil.*,	Rutherfordton.
Weller, Frank Marshall,	*Arts*,	Weldon.
Wiggins, John Carroll,	*Arts*,	Suffolk, Va.
Wilson, William Miller,	*Phil.*,	Rock Hill, S. C.
Winborne, John Wallace,	*Arts*,	Tyner.
Winston, Robert Alonzo,	*Opt.*,	Franklinton.
Wood, John Gilliam, Jr.,	*Phil.*,	Edenton.
Yokley, James Fletcher,	*Phil.*,	Mount Airy.

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SOPHOMORE CLASS.

Abernethy, Benjamin Scott,	*Arts*,	Chapel Hill.
Allen, Risden Tyler,	*Arts*,	Wadesboro.
Archer, McIlwain,	*Arts*,	Chapel Hill.
Armstrong, Joseph Mortier,	*Sci.*,	Wilmington.
Aycock, Jesse Barden,	*Arts*,	Fremont.
Barker, William Jefferson,	*Arts*,	Wooten.
Bennett, Junius White,	*Elect. Law*,	Reidsville.
Bond, William Marion, Jr.,	*Sci.*,	Edenton.
Brinkley, Lonn Leland,	*Arts*,	Elm City.
Brown, John Bass,	*Arts*,	Charlotte.
Cannon, Clarence Victor,	*Arts*,	Ayden.
Carson, Jesse Columbus,	*Phil.*,	Bethel.
Cole, Ernest Leach,	*Arts*,	Carbonton.
Connor, Edwin Erwin,	*Arts*,	Mars Hill.
Cox, Robert Forrest,	*Opt.*,	Lowell.
Cummings, Kemp Plummer Battle,	*Arts*,	Winston-Salem.
Cummings, Michael Penn,	*Arts*,	Reidsville.

D'Alemberte, James Herron,	*Arts*,	Pensacola, Fla.
Dalton, William Reid,	*Opt.*,	Reidsville.
Day, Ropy Councill,	*Arts*,	Chapel Hill.
Denson, Eley Parker,	*Arts*,	High Point.
Dickson, Thomas Wyatt,	*Arts*,	Raeford.
Dickson, William Samuel,	*Arts*,	Chapel Hill.
Dixon, J. K., Jr.,	*Arts*,	Gastonia.
Douthit, Jacob Benton,	*Arts*,	Clemmons.
Duls, William Henry,	*Arts*,	Wilmington.
Farabee, Samuel Howard,	*Arts*,	Winston-Salem.
Farmer, Clarence Ravenel,	*Arts*,	Elm City.
Fenner, Harry Shaw,	*Arts*,	Halifax.
Fry, Howell Lewis, Jr.,	*Sci.*,	Greensboro.
Galloway, James Cleveland,	*Sci.*,	Grimesland.
Gillam, Frank,	*Arts*,	Windsor.
Hall, Emmett Connor,	*Arts*,	Cap, Va.
L.I. *Peabody College*, 1904,		
Hannah, John George, Jr.,	*Elect. Law*,	Siler City.
Hardin, Oscar Lawrence,	*Arts*,	Blowing Rock.
Hardison, Robinson Battle,	*Arts*,	Morven.
Hathcock, John Lindsay,	*Phil.*,	Albemarle.
Haynes, Joseph Walter,	*Arts*,	Asheville.
Haywood, Thomas Holt,	*Phil.*,	Haw River.
Herring, Ernest Clyde,	*Phil.*,	Garland.
Hester, Francis Eugene,	*Arts*,	Raleigh.
Hicks, Oscar Vernon,	*Arts*,	Goldsboro.
Highsmith, Edwin McKoy,	*Phil.*,	Harrell's Store.
Hill, Hampden,	*Arts*,	Goldsboro.
Hill, Hubert,	*Sci.*,	Raleigh.
Houck, William Arthur,	*Arts*,	Statesville.
Hoyle, Ambrose Hill,	*Phil.*,	Cleveland Wills.
Hughes, Israel Harding,	*Arts*,	Chocowinity.
Hughes, Norman,	*Arts*,	Jackson.
Hunter, William Shearer,	*Phil.*,	Lexington.
Hutchison, Andrew Cleveland,	*Opt.*,	Charlotte.
Hutchison, Francis,	*Arts*,	Charlotte.

James, James Burton,	*Phil.*,	Greenville.
Jeffress, Edwin Bedfor,	*Arts*,	South Boston, Va.
Jenkins, William Adrian,	*Arts*,	Colerain.
Johnson, Bayard Cleveland,	*Arts*,	Ingold.
Jones, Walter Raleigh,	*Arts*,	Pine Ridge.
Katzenstein, Charles J.,	*Arts*,	Warren Plains.
Keel, Charles Herbert,	*Arts*,	Mount Olive.
Kibler, William Herbert,	*Arts*,	Morganton.
Knight, Henry Reginald,	*Sci.*,	Barnes Store.
Lambertson, Browning Augusta,	*Arts*,	Rich Square.
Leary, Ernest Woodard,	*Elect. Law*,	Edenton.
Legrand, Eugene Quince,	*Sci.*,	Wilmington.
Linn, Stahle,	*Phil.*,	Salisbury.
London, Isaac Spencer,	*Arts*,	Pittsboro.
Long, Edgar Miller,	*Elect. Med.*,	Hamilton.
Loughlin, Charles Clarke,	*Elect. Law*,	Wilmington.
Lykes, John Wall,	*Phil.*,	Tampa, Fla.
Lyon, Otho Devanne,	*Opt.*,	Hester.
McAden, James Thomas,	*Arts*,	Raleigh.
McGowan, William Tillman,	*Arts*,	Lake Comfort.
McKinnon, William Hugh, Jr.,	*Arts*,	Red Springs.
McLean, William DeRoy,	*Arts*,	Sedalia.
McMillan, Albert Powers,	*Arts*,	Fayetteville.
Matthews, Luther Preston,	*Arts*,	Poindexter.
Morrison, Allen Turner,	*Arts*,	Asheville.
Nash, Abner,	*Phil.*,	Charlotte.
Nicholson, Samuel Timothy,	*Arts*,	Bath.
Noe, Walter Raleigh,	*Arts*,	Beaufort.
O'Berry, Thomas,	*Arts*,	Goldsboro.
Palmer, John Brame,	*Arts*,	Macon.
Parker, John Johnston,	*Arts*,	Monroe.
Parker, Luther Wood,	*Arts*,	Hertford.
Parker, Walter Lafayette,	*Arts*,	Margarettsville.
Patrick, Joseph Benjamin,	*Sci.*,	Chocowinity.
Peace, Alexander Winston,	*Opt.*,	Oxford.
Peirce, Christopher Dudley,	*Arts*,	Warsaw.

Pemberton, John de Jarnette,	*Arts*,	Raleigh.
Pittman, Thomas Merritt, Jr.,	*Sci.*,	Henderson.
Pittman, Wiley Hassell Marion,	*Arts*,	Crisp.
Pritchard, George Moore,	*Sci.*,	Asheville.
Rankin, Claude Wharton,	*Arts*,	Fayetteville.
Robinson, John Moseley,	*Phil.*,	Goldsboro.
Robinson, William Smith O'Brien,	*Phil.*,	Goldsboro.
Shannon, Beverly Oscar,	*Arts*,	Gastonia.
Sharpe, Charles Cleveland,	*Sci.*,	Greensboro.
Shearer, David Robert,	*Arts*,	Lenoir.
Skinner, William Pailin,	*Opt.*,	Hertford.
Sloan, Henry Lee,	*Arts*,	Ingold.
Souders, Floyd Benton,	*Sci.*,	Fayetteville.
Spruill, James Franklin,	*Arts*,	Oriental.
Stem, Frederick Boothe,	*Chem*,	Darlington, S. C.
Story, Romy,	*Arts*,	Aho.
Stowe, Lester Holland,	*Arts*,	Belmont.
Sutton, Thomas Howey, Jr.,	*Arts*,	Fayetteville.
Tillett, Duncan Patterson,	*Arts*,	Charlotte.
Weill, Charles Louis,	*Arts*,	Rockingham.
Wheatly, Claud Robinson,	*Arts*,	Beaufort.
White, John Lawrence,	*Arts*,	High Point.
Williams, Victor,	*Arts*,	Weaverville.
Winborne, Stanley,	*Arts*,	Murfreesboro.

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Freshman Class.

Abbott, Lunsford,	*Arts*,	Kinston.
Andrews, Columbus,	*Arts*,	King's Creek.
Andrews, Thomas Wingate,	*Arts*,	Chapel Hill.
Armfield, Dennis Franklin,	*Arts*,	Fayetteville.
Auten, John Alexander,	*Arts*,	Charlotte.
Ballance, Harry Bryant,	*Arts*,	Fremont.
Banks, Benjamin Leonidas, Jr.,	*Elect. Law*,	Elizabeth City.
Barker, Christopher Sylvanus,	*Arts*,	Fremont.
Beale, Carl Wingate,	*Elect.*	Portecasi.
Bear, Charles Edgar,	*Elect.*	Roanoke, Va.

Boylan, William James,	*Arts*,	Raleigh.
Boylan, William Montfont,	*Arts*,	Raleigh.
Bray, Emmett Perleyman,	*Arts*,	Mt. Vernon Springs.
Bridgers, Robert Rufus,	*Arts*,	Wilmington.
Bright, Christopher Roberts,	*Arts*,	Washington.
Britt, Wade Hampton,	*Arts*,	Newton Grove.
Brown, Cecil Bayard,	*Arts*,	Philadelphia, Tenn.
Brown, Walter Converse,	*Arts*,	Winston-Salem.
Buchanan, Frederick Lee,	*Arts*,	Bakersville.
Byerly, Edward Cleveland,	*Arts*,	Yadkin College.
Cannon, Martin Luther,	*Arts*,	Concord.
Chatham, Raymond Hunt,	*Arts*,	Elkin.
Clarke, Bertram Cleland,	*Arts*,	Walnut Cove.
Clyburn, Beckham Hilton,	*Arts*,	Haile Mine, S. C.
Cobb, Edgar Whitson Sherer,	*Arts*,	Sedalia.
Cobb, John Daniel Franklin,	*Arts*,	Sedalia.
Coghill, Julian Baxter,	*Arts*,	Henderson.
Cooper, James Crawford,	*Arts*,	Oxford.
Conger, Edward Chamberlain,	*Elect.*,	Edenton.
Coughenour, William Chambers, Jr.,	*Arts*,	Salisbury.
Coward, John Holladay,	*Arts*,	Ayden.
Cowles, David Hamelton,	*Arts*,	Washington, D. C.
Cox, Oliver Cromwell,	*Arts*,	Leaksville.
Curtis, Jesse William,	*Arts*,	Finley.
Davis, James Blaine,	*Arts*,	Clemmons.
Davis, William Barham,	*Arts*,	Warrenton.
Davis, Walter Gray,	*Arts*,	Fremont.
Deal, Claude Andrew,	*Arts*,	Wardlaw.
Dunlap, Frank Lemuel,	*Arts*,	Wadesboro.
Dunlap, Fleetwood Ward,	*Arts*,	Ansonville.
Eagles, Theophilus Randolph, Jr.,	*Arts*,	Fountain.
Elliott, Fred,	*Arts*,	Charlotte.
Elliott, Horace Copley,	*Arts*,	Gilkey.
Emerson, William Parsley,	*Arts*,	Wilmington.
Fore, James Albert, Jr.,	*Arts*,	Charlotte.

Fountain, George Marion,	*Arts*,	Tarboro.
Frazier, Arthur Marsh,	*Arts*,	Salisbury.
Gardner, William Seviere,	*Arts*,	Burnsville.
Gibson, Williams Hinson,	*Arts*,	Hickory.
Giddings, Joseph Emmet,	*Arts*,	Mount Olive.
Gillam, Peter Bascoe,	*Arts*,	Windsor.
Gold, Charles Fortune,	*Arts*,	Shelby.
Grantham, John Albert,	*Arts*,	Goldsboro.
Gray, James Alexander, Jr.,	*Arts*,	Winston-Salem.
Greenwood, Adolphus Bart,	*Arts*,	Barnardsville.
Gunter, Herbert Brown,	*Arts*,	Sanford.
Hackney, George, Jr.,	*Arts*,	Wilson.
Hall, Cooper Andrew,	*Arts*,	Woodsdale.
Hamby, Andrew Cleveland,	*Arts*,	Stony Fork.
Harllee, Edgar Cooley,	*Arts*,	Greensboro.
Harper, George Vernon,	*Arts*,	Charlotte.
Harris, Benjamin Franklin,	*Arts*,	Henderson.
Harris, Hal Hamlin,	*Elect.*,	Franklinton.
Hassell, Calvin Woodard,	*Arts*,	Williamston.
Hester, John William,	*Arts*,	Hester.
Hicks, William Jacob,	*Chem.*	Goldsboro.
Hines, Thomas McEntyre,	*Arts*,	Rocky Mount.
Hocutt, John Bunyan,	*Arts*,	Chapel Hill.
Holt, Dewitt,	*Arts*,	Graham.
Holt, John Harvey,	*Arts*,	Oak Ridge.
Hurt, Charles Elmer,	*Arts*,	Rusk.
Jackson, James Clark,	*Arts*,	Fayetteville.
Jackson, John Quincey,	*Arts*,	Wilson.
Judd, Eugene Clarence,	*Arts*,	New Hill.
Keel, James Thomas,	*Arts*,	Wilson.
Laughinghouse, Edward,	*Arts*,	Greenville.
Lee, Harry Pipkin,	*Arts*,	Reynoldson.
*Lisk, John Wesley, Jr.,	*Arts*,	Norwood.
Littleton, Thomas Jerome,	*Arts*,	Albemarle.
Lyle, Samuel Harley, Jr.,	*Arts*,	Franklin.

* Deceased.

McLean, Colin Ray,	*Arts*,	Vass.
McRae, Robert Strange, Jr.,	*Arts*,	Chapel Hill.
Macon, Gideon Hunt,	*Arts*,	Warrenton.
Maffit, M[illegible]n,	*C.E.*,	Charlotte.
Malone, Edmund Lucien,	*Arts*,	Washington.
Mann, Joseph Spencer,	*Arts*,	Fairfield.
Mitchell, Adrian Seymour,	*Elect. Law*,	Winton.
Mitchell, Henry Davis,	*Arts*,	Franklinton.
Moon, Otis John,	*Elect. Law*,	Danville, Ind.
Moore, James Logan,	*Arts*,	Ellijay.
Moore, Walter McDowell,	*Arts*,	Granite Falls.
Morrison, Mary Graham,	*Spec*,.	Mariposa.
Moser, William Dexter,	*Arts*,	Rock Creek.
Moss. Zebulon Vance,	*Arts*,	Pennington.
Muse, Basil Gantt,	*Arts*,	Rocky Mount.
Nance, Paul Harris,	*Arts*,	Winston-Salem.
Newell, Eugene Joseph,	*Arts*,	Mapleville.
Newton, David Zero,	*Arts*,	Lincolnton.
Nicholls, James Benton, Jr.,	*Arts*,	Windsor.
Noble, Stuart Grayson,	*Arts*,	Bushnell.
Oates, William Mercer,	*Arts*,	Tarboro.
Orr, Manlius,	*Arts*,	Charlotte.
Palmer, Norville Finley,	*Arts*,	Hookerton.
Patterson, John Durand,	*Arts*,	Newbern.
Pender, Thomas Ogburn,	*Arts*,	Joppa.
Pickard, Robert Otis,	*Arts*,	Wilson.
Pickard, Walter Watson, Jr.,	*Elect. Med.*,	Chapel Hill.
Porter, James Melville,	*Arts*,	Greensboro.
Powers, Percy, Jr.,	*Arts*,	Method.
Powers, Troy Cornelius,	*Arts*,	Lumberton.
Rand, Oscar Ripley,	*Arts*,	Smithfield.
Raney, George Hall,	*Arts*,	Chapel Hill.
Raper, Wesley Carlton,	*Arts*,	High Point.
Ray, William Angus,	*Arts*,	Sanford.
Reynolds, Benjamin Franklin	*Arts*,	Malee.
Riddick, William Moore, Jr.,	*Arts*,	Hertford.

Robins, Marmaduke,	*Arts*,	Asheboro.
Rogers, George Oroon,	*Arts*,	Graham.
Rosebro, William Walter,	*Arts*,	Cleveland.
Rosin, Mary L.,	*Spec.*,	Brooklyn, N. Y.
Ross, Frank Howard,	*Arts*,	Charlotte.
Ross, Lloyd McCreight,	*Arts*,	Charlotte.
Royster, Percy Hoke,	*Arts*,	Raleigh.
Royster, Wilbur High,	*Arts*,	Raleigh.
Ruffin, Colin Bradley,	*Arts*,	Tarboro.
Ruffin, Ernest Cofield,	*Arts*,	Whitakers.
Sellers, Job Boger,	*Arts*,	Asheville.
Seymour, David Montre,	*Arts*,	Sanford.
Shull, Joseph Rush,	*Arts*,	Concord.
Simmons, Thomas Levy,	*Arts*,	Shelby.
Singletary, Snowden,	*Arts*,	Clarkton.
Snow, Edgar Norris,	*Arts*,	Hillsboro.
Speas, Jeannie Whewell,	*Arts*,	Donnaha.
Spencer, Frederick Brunell,	*Arts*,	Lake Comfort.
Stewart, Edward Latham,	*Arts*,	Washington.
Sutton, Frederick Isler,	*Arts*,	Kinston.
Thomas, Afestur Sperling,	*Arts*,	Newbern.
Thompson, John Melvin,	*Arts*,	Graham.
Turnage, Needham Coy,	*Elect. Med.*,	Wilson.
Umstead, Walter Williams,	*Arts*,	Durham.
Venable, Cantey McDowell,	*Spec.*,	Chapel Hill.
Vinson, Barnard Bee,	*Arts*,	Littleton.
Wallace, Wilson, Jr.,	*Elect. Med.*,	Charlotte.
Watson, Walter,	*Arts*,	Newbern.
Weaver, Charles Gay,	*Elect. Law*,	Weaverville.
Weaver, James Ralph,	*Arts*,	Weaverville.
Webb, Charles Jordan,	*Elect. Med.*,	Roxboro.
Webb, Louis Harward,	*Arts*,	Chapel Hill.
Webber, William Slade,	*Elect. Law*,	Norfolk, Va.
Wells, John David,	*Arts*,	Wilson.
West, Louis,	*Elect.*,	Raleigh.
Whitley, George Thaddeus,	*Arts*,	Smithfield.

Wiggins, James Middleton,	*Arts*,	Suffolk, Va.
Williams, Herbert Blackstock,	*Arts*,	Democrat.
Williams, Marion Murphy,	*Arts*,	Rose Hill.
Williams, Patrick Murphy,	*Arts*,	Wallace.
Williams, Robert Cleveland,	*Arts*,	Rose Hill.
Willis, Norman Lee,	*Elect.*,	Beaufort.
Withers, Douglas Dell,	*Arts*,	Charlotte.
Witherspoon, John Grier,	*Arts*,	Mooresville.
Woodard, Etheldred Henry,	*Arts*,	Wilson.
Woodard, William Coleman, Jr.,	*Arts*,	Rocky Mount.
Woollen, Glen Lacy,	*Elect. Med.*,	Winston-Salem.
Wright, Martin Leroy,	*Arts*,	Greensboro.
Wyatt, Wortham,	*Arts*,	Wadesboro.
Yelverton, William Elmer,	*Arts*,	Pikeville.

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Students in Law.

Regular Session.

Adams, Henry Bethune, Jr., A.B., *Trinity*, 1904,	Monroe.
Askew, Edward Stephenson, A.B., 1899,	Windsor.
Barry, James Edward,	Norfolk, Va.
Bellamy, William McKoy,	Wilmington.
Boone, Robert Baxter, Jr.,	Durham.
Brawley, Sumpter Coe,	Charlotte.
Bridgers, Burke Haywood, PH.B., 1903,	Wilmington.
Broadhurst, Edgar David, PH.B., 1899,	Goldsboro.
Brothers, Henry Linwood,	Fayetteville.
Bryan, Roderick Adams,	Carthage.
Bynum, Frederick Williamson,	Pittsboro.
Carpenter, Caius Hunter,	Clifton Forge, Va.
Carter, Henry Clay, Jr.,	Fairfield.
Cheshire, John,	Tarboro.
Clark, Walter, Jr., B.E., *A. and M. C.*, 1903,	Raleigh.
Clegg, William Russell, B.S., *Davidson*, 1902,	Carthage.
Cotten, Preston Sims,	Bruce.
Daniels, Carl Lehman,	Newbern.
Dunn, David Wilson,	Lone Oak, Va.

Elliott, Horace Copley,	Gilkey.
Faison, Paul Fletcher,	Raleigh.
Farriss, Edward Holden,	High Point.
Ford, Joseph Fanning,	Asheville.
Fowle, Daniel Gould,	Raleigh.
Gilmer, Joseph Branner,	Waynesville.
Gold, Thomas Jackson, PH.B., 1903,	Shelby.
Gudger, Vanno Lamar, B.S., *Univ. of Tenn.*, 1904,	Asheville.
Hampton, Laurence Herburt,	Sylva.
Henderson, Ezekiel,	Deppe.
Hoffman, John Robert,	Whitsett.
Kenan, Graham, A.B., 1904,	Kenansville.
Kluttz, Samuel Walkup,	Chester, S. C.
Lane, Henry Protchett,	Leaksville.
McBrayer, Frederick Wilkins,	Rutherfordton.
McGeachy, Arthur,	Chipley, Fla.
McMullan, Harry,	Edenton.
Mebane, Charles Harden, A.B., *Catawba College*, 1891,	Newton.
Moore, Jerome Rea,	Columbia, S. C.
Newton, James Spruit, PH.B., 1904,	Magnolia.
Osborne, James Walker,	Charlotte.
Patton, George Manuel,	Elon College.
Redd, Forest Marion,	Charlotte.
Ruark, Joseph Waters,	Southport.
Sawyer, Ernest Linwood, PH.B., 1904,	Elizabeth City.
Schenck, Paul,	Greensboro.
Scroggs, James Wardlaw, A.B., *Trinity*, 1902,	Greensboro.
Sherrod, William Jeremiah,	Hamilton.
Simmons, Thomas William,	Mints.
Stewart, Roach Sidney, PH.B., 1903,	O. K., S. C.
Winborne, James Wallace,	Mege.
Wooten, Stephen Chapman,	Fountain.

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Summer Term.

Ansell, Samuel T., Lieutenant, *U.S.A.*,	West Point, N. Y.
Barbour, James Romeo,	Benson.
Barbour, Offee Almond,	Benson.

Black, Frederick Leroy,	Davidson.
Boggan, Henry Smith,	Wadesboro.
Brown, Sidney Glenn,	Greensboro.
Carpenter, John Graham,	Stanley.
Chastain, Rufus Benjamin, A.B., 1902,	Ogden.
Cotten, Preston Sims,	Bruce.
Cumming, Preston, PH.B., 1903,	Wilmington.
Daniel, Erasmus Alston, Jr., A.B., 1904,	Airlie.
DeLaney, James Lester,	Charlotte.
Dortch, James Tyson,	Goldsboro.
Dunn, William, Jr., PH.B., 1904,	Newbern.
Everett, Simon Justus, PH.B., 1902,	Palmyra.
Faison, Paul Fletcher,	Raleigh.
Farriss, Edward Holden,	High Point.
Fowle, Daniel Gould,	Raleigh.
Gibbs, John Currie, A.B., *Trinity*, 1897,	Durham.
Gold, Thomas Jackson, PH.B., 1903,	Shelby.
Harris, Eugene, A.B., *Wake Forest*, 1898,	Wadeville.
Hassell, Francis Sylvester, A.B., 1903,	Williamston.
Haywood, Alfred Williams, Jr., A.B., 1904,	Haw River.
Holton, Charles Luther, A.B., *Guilford*, 1903,	Yadkinville.
Johnston, Andrew Hall, PH.B., 1904,	Asheville.
Kluttz, Samuel Walkup,	Chester, S.C.
Lambert, Maurice Ashby,	Raleigh.
Langston, John Dallas,	Mount Olive.
McBrayer, Frederick Wilkins,	Rutherfordton.
McMullan, Harry,	Edenton.
Mallonee, James David,	Franklin.
Matthews, John Hillery,	Coleraine.
Meares, Thomas Davis,	Wilmington.
Pace, William Heck,	Raleigh.
Parker, David Preston, A.B., 1900, A.M., 1901,	Stephenville, Tex.
Patton, George Manuel,	Elon College.
Peace, Alexander Winston,	Oxford.
Phillips, Wade Hampton, B.S., *Erskine*, 1900,	Lexington.
Rollins, Eugene Marvin,	Holly Springs.

Rowe, Claude Watson,	Monroe.
Scroggs, James Wardlaw, A.B., *Trinity*, 1902,	Greensboro.
Simmons, Albert Marchant, A.B., 1887,	Currituck.
Sinclair, Logan Carson,	Marion.
Skinner, Harry, Jr.,	Greenville.
Stern, David Pony, PH.B., 1902,	Scotland Neck.
Swain, John Edward, PH.B., 1902,	Democrat.
Taylor, Charles Edward,	Southport.
Umstead, Joseph Martin,	Durham.
Williams, John Robert,	Apex.
Williams, Robert Ransom, A.B., 1902,	Newton.

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Elementary Law.

Bond, William Marion, Jr.,	Edenton.
Buchanan, Corsey Candler,	Sylva.
Carr, Claiborn McDowell,	Durham.
Cole, Worth,	Charlotte.
Cox, Francis Augustus,	Penelo.
Dalton, Archie Carter,	Greensboro.
Davis, Henry Wiley,	Salisbury.
Duncan, James Shepard,	Beaufort.
Fletcher, Arthur Lloyd,	Jefferson.
Galloway, James Cleveland,	Grimesland.
Galloway, Thomas,	Quebec.
Goslen, Junius Blake,	Winston-Salem.
Hannah, John George, Jr.,	Siler City.
Leary, Ernest Woodard,	Edenton.
London, Isaac Spencer,	Pittsboro.
Love, Walter Bennett,	Monroe.
Lyon, Otho Devanne,	Hester.
Mitchell, Adrian Seymour,	Winton.
Moon, Otis John,	Danville, Ind.
Moore, Andrew Jackson,	Greenville.
Nash, Abner,	Charlotte.
Perry, Bennett Hester,	Henderson.
Pittman, Wiley Hassell Marion,	Crisp.

Rountree, Louis Gustavus,	Brooklyn, N. Y.
Stancell, Samuel Turner,	Margarettesville.
Staton, John Arthur,	Bethel.
Wade, James Lloyd,	Dunn.
Weaver, Charles Guy,	Weaverville.
Webber, William Slade,	Norfolk, Va.
Wheatly, Claude Robinson,	Beaufort.
Whitaker, George Thomas,	Letha.
Willis, Norman Lee,	Beaufort.
Wilson, William Miller,	Rock Hill, S. C.
Wood, John Gilliam, Jr.,	Edenton.
Wrenn, Clement,	Mount Airy.

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Students in Medicine.

Name.	Year.	Residence.
Abernethy, Claude Oliver, B.S., 1902,	*Third*,	Chapel Hill.
Absher, Darius Cleveland,	*First*,	Obids.
Apgar, Raymond,	*Second*,	Allentown, Pa.
Barefoot, Julius Jackson,	*Second*,	Wilson.
Berry, John, Jr.,	*First*,	Chapel Hill.
Best, Henry Blount,	*Second*,	Wilson.
Bitting, Numa Duncan,	*Second*,	Rural Hall.
Bolton, Marvin Ewing,	*First*,	Capels Mills.
Braddy, Wade Hampton,	*First*,	Jessama.
Brittain, Arthur Gordon,	*First*,	Pollocksville.
Browne, Alfred Dana,	*Second*,	Germantown, Pa.
Buckner, James Marion,	*First*,	Democrat.
Chapin, William Burdette,	*First*,	Pittsboro.
Choate, Bert,	*First*,	Sparta.
Conwell, Charles Everett,	*Fourth*,	Raleigh.
Cooke, Quinton Henry,	*Fourth*,	Aulander.
Covington, Platt Walker,	*First*,	Wadesboro.
Cranmer, John Bensell,	*Fourth*,	Chapel Hill.
Davidson, Edwin Norvell,	*First*,	Nuckols, Va.
Dick, Julius Vance,	*Second*,	Whitsett.
Dixon, Rufus Herbert,	*First*,	Bishopville, S. C.

Donnelly, John,	*Fourth*,	Charlotte.
Eagles, Charles Sidney,	*First*,	Saratoga.
English, Arthur Brown,	*Third*,	Faust.
Farrar, Mont Royal,	*Fourth*,	Greensboro.
Farthing, Logan Elmore,	*Third*,	Boone.
Ferrell, John Atkinson,	*First*,	Clinton.
Gatling, Franklin Porter,	*First*,	Tarboro.
Gibson, Harry Preston,	*First*,	Waterford.
Glenn, Marshall Renfro, S.B., 1903,	*Second*,	Asheville.
Green, William Willis, Jr.,	*First*,	Franklinton.
Gregg, James Dennis,	*First*,	Kimesville.
Harris, David Watson,	*First*,	Fayetteville.
Hiatt, Houston Boyd,	*Second*,	Clinton.
Hobgood, James Edward,	*Second*,	Oxford.
Hocutt, Battle Applewhite,	*Third*,	Wakefield.
Hyatt, Frederick Carlyle,	*Second*,	Waynesville.
James, William Daniel,	*Second*,	Laurinburg.
Johnson, Percy,	*First*,	Hobgood.
Jones, Harry Murray, A.B., 1903,	*Third*,	Franklin.
Jordan, William Stone,	*Third*,	Raleigh.
Kerr, John Daniel, Jr.,	*First*,	Clinton.
Lane, Paul Peyton,	*First*,	Wilson.
Ledbetter, Penlie Brisco,	*First*,	Davidson River.
Leinbach, Robert Frederick,	*Second*,	Winston-Salem.
Long, Thomas Williams Mason,	*Second*,	Garysburg.
McBrayer, Charles Evans,	*First*,	Shelby.
McIver, Evander McNair, PH.B., 1904,	*Second*,	Jonesboro.
McLean, Allen,	*First*,	Laurinburg.
McLean, Alexander Torrey,	*First*,	Maxton.
McLean, Frank,	*First*,	Maxton.
McPherson, Robert Gray,	*First*,	Holman's Mills.
Maness, John Moses,	*Second*,	Hemp.
Mayerberg, Israel Wallace,	*Second*,	Goldsboro.
Maynard, Julian Decator,	*First*,	Bradshaw.
Merritt, John Hamlett,	*Third*,	Roxboro.
Monk, George Monroe,	*First*,	Newton Grove.

Moore, Charles Edward,	*Second*,	Rural Hall.
Moore, Joseph Newitt,	*Fourth*,	Saratoga.
Moore, Kinchin Carl,	*First*,	Wilson.
Morris, George Blythe,	*First*,	Goldsboro.
Newell, Leone Burns, A.B., 1900,	*Fourth*,	Newell.
Nichols, Austin Flint,	*First*,	Roxboro.
Nichols, Edward William,	*First*,	Timberlake.
Noble, Robert Primrose,	*Second*,	Selma.
Nuckols, Ernest Benjamin,	*First*,	Nuckols.
Query, Richard Zimri,	*Second*,	Derita.
Reid, James William,	*First*,	Lowell.
Rice, Wilbur Calhoun,	*Second*,	Sydney, Fla.
Riggsbee, Edward Jackson,	*First*,	Riggsbee.
Roberson, Foy,	*First*,	Chapel Hill.
Rosin, Clifton,	*First*,	Brooklyn.
Royster, Thomas Hays,	*Second*,	Buchanan.
Russell, Charles Richard,	*First*,	Granite Falls.
Scofield, Everett J.,	*First*,	Wappingers, N. Y.
Shepard, Frank Armfield,	*First*,	Liberty.
Simpson, Walter Alexander,	*First*,	Raleigh.
Smith, Harrison Talmage,	*First*,	Anna.
Smith, John McNeill,	*First*,	Laurinburg.
Smith, Thomas Harley,	*First*,	Liberty.
Spoon, Arthur Ogburn,	*First*,	Haw River.
Spoon, Charles Edgar,	*First*,	Oakdale.
Stephens, Ralph Saunders,	*Fourth*,	Smithfield.
Taylor, Ernest Dawson,	*First*,	Tarboro.
Terrell, Allen Johnson,	*First*,	Old Fort.
Upchurch, Robert Theodore,	*Second*,	Apex.
Walters, Charles Manly,	*First*,	Burlington.
Ward, Ivie Alphonso,	*Second*,	Ryland.
Ward, Vernon Albert,	*First*,	Wilson.
Ware, Major Lee,	*Second*,	Kings Mountain.
Warren, John Waddell,	*Second*,	Edenton.
Watkins, Fonso Butler,	*Second*,	Rutherfordton.
Watson, John Blois,	*First*,	Raleigh.

Webb, Lorenzo Stevenson.	*Fourth*,	Windsor.
Webb, Samplett Edgar,	*First*,	Brown Summit.
Wilcox, Jesse Womble, PH.B., 1903,	*Third*,	Putnam.
Williams, Leslie Shaw,	*First*,	Drake's Br'ch, Va.
Wilkerson, Charles Baynes,	*Third*,	Dresham.
Winslow, Cato Franklin,	*First*,	Mintonsville.
Woodard, Albert Gideon,	*Second*,	Princeton.

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STUDENTS IN PHARMACY.

NAME.	YEAR.	RESIDENCE.
Ashcraft, Carl William,	*First*,	Elkin.
Baucom, Alfred Vernon,	*First*,	Apex.
Bulluck, Zebulon Benjamin,	*First*,	Rocky Mount.
Carpenter, Oscar Benjamin,	*First*,	Stanley.
Carter, Samuel,	*First*,	Salisbury.
Crabtree, Gilbert,	*First*,	Raleigh.
Crews, Eugene Thomas, Jr.,	*First*,	Oxford.
Davidson, Josephus Cornelius,	*First*,	Nuckols, Va.
Eldridge, James,	*First*,	Dunn.
Flagler, Clarence,	*Second*,	Stroudsburg, Pa.
Griffith, Benjamin Wiltshire,	*First*,	Hendersonville.
Hall, Percy Opie,	*Second*,	Wilmington.
Hart, John Albert,	*First*,	Hendersonville.
Herring, Robert Roscoe,	*First*,	Garland.
Holland, Willis Froneberger,	*First*,	Mount Holly.
Hoover, Olin Clyde,	*First*,	Concord.
Hyter, Ernest Harboro,	*First*,	Bradner, Ohio.
Ingram, Samuel Talmage,	*First*,	Star.
Johnson, Roscoe Spurgeon,	*First*,	Enfield.
Layden, Hugh Winborne,	*First*,	Mege.
Lyon, Herman Lewis,	*First*,	Fayetteville.
Marion, John Ernest,	*First*,	Elkin.
Miller, Carl Tienken,	*First*,	Wilmington.
Monger, James McRae,	*First*,	Sanford.
Moore, William Houston,	*First*,	Wilmington.
Nicholson, Russell Cobb,	*First*,	Murfreesboro.

O'Brien, Lex Cleveland,	*First*,	Winston-Salem.
Parker, Roland Hurn,	*Second*,	Durham.
Patterson, Alvis,	*Second*,	Chapel Hill.
Rose, Ira Winfield,	*First*,	Benson.
Schutt, Theodore Henry,	*First*,	Wilmington.
Scoggin, Lewis Edward,	*First*,	Warrenton.
Seagle, Frederick Macon,	*First*,	Hickory.
Shelton, Claude Fuller,	*First*,	High Point.
Singletary, Frederick Bunyan,	*First*,	Lumberton.
Smith, Thomas Lane,	*First*,	Edenton.
Staton, Henry Vernon,	*First*,	Bethel.
Teague, Moses Fitzhugh,	*First*,	Granite Falls.
Watkins, Witcher Overton,	*First*,	Rutherfordton.
Webb, Eugene Lea,	*Second*,	Roxboro.
Welfare, Samuel Eugene,	*First*,	Winston-Salem.
White, Charles P.,	*First*,	Stroudsburg, Pa.
Williams, Arthur Bridges,	*First*,	Bladenboro.
Winder, William Ray,	*Second*,	Elizabeth City.
Winn, William Ray,	*First*,	Greensboro.
Wolfe, Drayton,	*First*,	Charlotte.
Wolfe, John Carl,	*First*,	Albemarle.

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To the roll of SENIORS, on page 112, is to be added:

NAME.	COURSE.	RESIDENCE.
Woollen, Charles Thomas,	*Elect.*,	Winston-Salem.

SUMMARY.

THE COLLEGE:—

COURSE.	ARTS.	PHIL.	SCIENCE.	ELECT.		
Seniors,	24	21	17	1	63	
Juniors,	37	17	8	4	66	
Sophomores,	75	13	12	12	112	
Freshmen,	145	—	—	21	166	
					—	407

THE GRADUATE DEPARTMENT:—

Students		34

THE LAW DEPARTMENT:—

Students, Regular Session	51	
Students, Summer Term	50	
	101	
Deduct for names counted twice	10	
	—	91

THE DEPARTMENT OF MEDICINE:—

Fourth-Year Students	9	
Third-Year Students	9	
Second Year Students	27	
First-Year Students	55	
	—	100

THE DEPARTMENT OF PHARMACY:—

Second-Year Students	6	
First-Year Students	41	
	—	47
Whole number of students		679
Deduct for names counted twice		13
		666

Summary by States.

North Carolina	619	Georgia	1
Virginia	16	Indiana	1
South Carolina	9	Maryland	1
Florida	5	Massachusetts	1
New York	5	Ohio	1
Pennsylvania	4	Tennessee	1
District of Columbia	1	Texas	1

THE SUMMER SCHOOL.

FACULTY, SESSION OF 1905.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., PRESIDENT.
EBEN ALEXANDER, PH.D., LL.D., *Greek.*
JOHN ADDISON BIVINS, *Geography.*
JAMES DOWDEN BRUNER, PH.D., *French.*
COLLIER COBB, A.M., *Geology and Photography.*
NATHANIEL CORTLANDT CURTIS, PH.B., *Drawing.*
ALEXANDER GRAHAM, A.M., *North Carolina History.*
EDWARD KIDDER GRAHAM, A.M., *English.*
WILLIAM C. A. HAMMEL, *Manual Training.*
THOMAS PERRIN HARRISON, PH.D., *English.*
HERMAN HARRELL HORNE, PH.D., *Psychology and Education.*
GEORGE HOWE, PH.D., *Latin.*
MARGARET A. JOHNSTON, B.A., *Kindergarten.*
JAMES EDWARD LATTA, A.M., *Physics.*
GEORGE McFARLAND McKIE, *Expression.*
ISAAC HALL MANNING, M.D., *Physiology and Hygiene.*
MARCUS CICERO STEVENS NOBLE, *Pedagogy.*
JULIA RAINES, *Manual Training.*
FRANKLIN LAFAYETTE RILEY, PH.D., *History.*
CHARLES ALPHONSO SMITH, PH.D., *English.*
MARVIN HENDRIX STACY, A.M., *Mathematics.*
FRANK LINCOLN STEVENS, PH.D., *Applied Nature Study.*
MRS. FRANK LINCOLN STEVENS, *Primary Nature Study.*
WALTER DALLAM TOY, M.A., *German.*
LOUIS ROUND WILSON, A.M., *Library Methods.*

ANNOUNCEMENT.

Date of Opening.

4088 teachers enrolled in the past.

The twentieth annual session of the University Summer School for Teachers will begin at 12 o'clock, June 12 (Monday), and close on the afternoon of July 8 (Friday). All the resources of the University will be open to those who attend, and no effort has been spared to make the twentieth session of the Summer School memorable in numbers as well as in the character of the work done.

Free Lectures.

Every evening during the session public lectures will be given by prominent speakers and educators. These lectures will deal with problems of science, literature, history, methods of teaching, school management, and school architecture. The lecturers will be representative men from this and other states.

A Genuine School of Methods.

Expert instructors representing the latest developments in school management and methods of teaching.

The opportunities and advantages offered this year are of even greater value and better suited to the needs of the teacher than those which in former years have given the Summer School its reputation for merit and efficiency.

In arranging the courses of study, a special effort has been made to provide for the following:

1. Those who are preparing to teach in either public or private schools.
2. Those teachers who wish to study under experts the best methods employed in modern educational endeavor.
3. The teachers in both public and private schools who desire to broaden their scholarship or to improve their methods of instruction and discipline by a careful study of the theories and results of practical and successful teachers.

General Plan of Instruction.

A total of forty-two courses, including subjects of special value to teachers in every grade.

The courses may be grouped under the following heads:

COMMON SCHOOL SUBJECTS AND METHODS.	PSYCHOLOGY AND PEDAGOGY.	HIGH SCHOOL AND COLLEGE SUBJECTS.
Kindergarten.	Psychology.	Latin.
Reading.	Art of Teaching.	Greek.
Expression.	Philosophy of Education.	English.
Elementary Physiology.	Philosophy of Method.	French.
Elementary Physics.	History of Education.	German.
Elementary Arithmetic.		American History.
Manual Training.		English History.
Elementary Algebra.		History of North Carolina.
English Composition.		Roman and Mediaeval History.
Geography.		Architecture.
Nature Study.		Arithmetic and Algebra.
Photography.		Geology.
Drawing.		Mineralogy.
Elementary History of the United States.		Hygiene.
History of North Carolina.		Botany.
		Chemistry
		Physics.

Certificates will be issued to those members of the school who regularly attend and satisfactorily complete courses amounting, in the aggregate, to eighteen hours.

Special Advantages.

All the privileges of the University open to students of the Summer School and at less cost than at any other season of the year.

Lecture Course.

A regular course of lectures, both scientific and literary, has been provided, many of them being of direct, practical value to the teacher, and dealing with vital questions connected with the growth and development of our schools. The lecture course will be free, and will contribute greatly to the pleasure and profit of the teachers.

Library.

The University Library, which contains more than 42,000 volumes, and the Reading Room, supplied with the best periodicals and newspapers, will be open daily to members of the Summer School. There will thus be furnished, free of cost, an opportunity for collateral reading on any of the courses of study, and general reading in a wide range of subjects.

Laboratories.

The Physical, Chemical, Botanical, and Zoological Laboratories of the University are modern in their equipment and are at the service of the Summer School. Laboratory methods and experience are necessary to the successful teacher, and can be

readily acquired only by doing laboratory work under the guidance of skilled instructors.

Campus. The University buildings are located in a well-shaded campus of nearly fifty acres, and Chapel Hill, with an elevation of five hundred feet, shady streets, and pure drinking water, offers a delightful summer home.

Low Cost. The entire expense for registration fee, furnished room in the dormitories, with electric light and baths, and board at Commons Hall, is only fifteen dollars. The cost of attending any other Summer School, offering equal advantages of instruction, would be more than three times this amount.

COURSES OF STUDY.

Pedagogy.

Professor M. C. S. Noble.

1. The Development and Philosophy of Method.

Professor H. H. Horne.

2. Application of the Mental Sciences to the Art of Teaching.
3. The Formation of Character.

English.

Professor C. Alphonso Smith.

1. Essays and Essayists.
2. Talks on the History and Structure of the English Language.

Professor Thomas P. Harrison.

3. The English Novel.

Professor Edward K. Graham.

4. English Composition.
5. The Study of English Classics.

Mr. G. M. McKie.

6. Expression, Voice Culture, Reading.
7. Shakespeare.

History.

Professor FRANKLIN L. RILEY.

1. Elementary Course in American and General History.
2. High School Course in American History.
3. High School Course in English History.

Professor ALEXANDER GRAHAM.

4. History of North Carolina.

Mathematics.

Professor M. C. S. NOBLE.

1. Elementary Arithmetic.

Mr. M. H. STACY.

2. Advanced Arithmetic.
3 Algebra.

Geography.

Principal J. A. BIVINS.

1. Primary Geography.
2. Observation Lessons on Brooks, Stars, Soil, Rocks, Weather, etc.

Geology, Mineralogy, and Photography.

Professor COLLIER COBB.

1. Elementary Geology.
2. Elementary Mineralogy.
3. Field Photography.

Physics, Modeling, and Cardboard.

Professor J. E. LATTA.

1. Elementary Physics.

Professor WILLIAM C. A. HAMMEL and Miss JULIA RAINES.

2. Clay Modeling.
3. Paper Folding and Construction in Cardboard.

4. Basketry.
5. Knife Work.

Courses 2, 3, 4, and 5 deal with some of the forms of hand work that are practical in all grades in the rural as well as in the city schools and with such forms as can be carried on in the class room by the teacher.

Nature Study.

Professor F. L. Stevens.

1. Applied Nature Study: Agricultural Study of the Plant, the Animal, and the Soil.

Mrs. F. L. Stevens.

2. Primary Nature Study. The aim of this course is to introduce teachers of little children both of the city and country schools to those objects in nature which form a great part of the child's early experience. Elementary Geography is included.

Physiology and Hygiene.

Professor Isaac Hall Manning.

1. Elementary Physiology.

Drawing and Architecture.

Mr. N. C. Curtis.

1. Freehand Drawing.
2. Elements of Architecture.

Kindergarten.

Miss M. A. Johnston.

1. Practical Methods in Primary Work.
2. A Course in Froebel's Mother Play, and Occupations suitable to present day requirements.

Greek.

Professor EBEN ALEXANDER.

1. For Beginners.
2. Book I. of Homer's *Iliad*.

Latin.

Professor GEORGE HOWE.

1. Elementary Course.
2. Advanced Course.

French.

Professor J. D. BRUNER.

1. Elementary Course, with practice in speaking French.
2. Advanced Course.

German.

Professor W. D. TOY.

1. Elementary Course.
2. Advanced Course.

In both courses there will be practice in speaking German.

Library School.

Mr. L. R. WILSON.

1. Library work and methods. Lectures, with practice in the Library.

EXPENSES.

There will be no charge for tuition in the Summer School. An incidental fee of five dollars will, however, be charged. This pays for the use of the library, gymnasium, laboratories, etc.

Double rooms in the University dormitories may be engaged in advance, at $2.00 for the session for each occupant, by writing to the Registrar. A

few single rooms are available at $2.00 each. These rooms are furnished, except with bed linen and towels. The charge for rent includes service, electric lights, and baths.

The price of table board at Commons Hall is $8.00 for the session. For a shorter period, the rate is $3.00 a week, or fifty cents a day.

Rooms may be secured at the Bursar's office, Alumni Hall. For board tickets, apply to the Treasurer at Commons Hall.

All charges are payable in advance.

There will be reduced rates on all the railroads.

For the Announcement of the Summer School, with detailed information, address

FRANCIS P. VENABLE, *President*,
Chapel Hill, N. C.

STUDENTS IN SUMMER SCHOOL, 1904.

Alexander, Mary,	Asheville.
Allen, Lula,	Prospect Hill.
Allen, Robert Wilson,	Wadesboro.
Allen, Sarah,	Polktown.
Andrews, Dora,	Chapel Hill.
Archer, Gray,	Chapel Hill.
Austin, Iowa,	Corolla.
Ayres, Irma,	Nichols, S. C
Banks, Katie Lee,	Haw River.
Barbee, Mrs. A. S.,	Chapel Hill.
Barbee, Nellie Lewis,	Chapel Hill.
Battle, Elizabeth,	Greensboro.
Bernard, William Stanly,	Chapel Hill.
Berry, Ruth,	Newbern.
Best, Alice F.,	Fremont.
Blake, Lottie,	Gastonia.
Blue, Janie,	Efland.
Blue, Lena,	Efland.
Bowling, Corinne,	Rougemont.
Bowling, Nannie,	Durham.

Brantley, Nora,	Spring Hope.
Broadhurst, Edgar D.,	Greensboro.
Bryan, Catharine,	Chapel Hill.
Bryan, Eliza,	Chapel Hill.
Bryan, Lula,	Chapel Hill.
Bruner, Mrs. J. D.,	Chapel Hill.
Burgess, Julia,	Washington.
Butt, Charles,	Charlotte.
Campbell, Lillian,	Gaylord.
Cannady, Georgia,	South Lowell.
Cannady, Mary,	South Lowell.
Carraway, Daphne,	Wilson.
Carraway, Irma,	Wilson.
Carson, Queen,	Asheville.
Chadwick, Annie D.,	Newbern.
Chastain, Rufus Benjamin,	Brasstown.
Claytor, Carrie,	Durham.
Claytor, Numa Reid,	Durham.
Cobb, Mrs. Collier,	Chapel Hill.
Cobb, Lucy Maria,	Demopolis, Ala.
Cobb, Penelope Williams,	Chapel Hill.
Cobb, William Battle,	Chapel Hill.
Coble, Circe,	Liberty.
Coit, Johnsie,	Salisbury.
Cole, Walter,	Rockingham.
Conley, James Robert,	Lenoir.
Conrad, Elizabeth,	Charlotte.
Cothran, Allie,	Rougemont.
Cranmer, Mrs. J. B.,	Chapel Hill.
Creech, Mrs. A.,	Goldsboro.
Croom, G. H.,	Burgaw.
Crowell, George Henry,	High Point.
Daniel, Martha,	Breeze.
Daniel, Sarah,	Oxford.
Dayvault, Nina Lee,	Concord.
Deans, Iva,	Wilson.

DeLaney, James Lester,	Charlotte.
Dunn, Annie,	Scotland Neck.
Dunn, Kate,	Scotland Neck.
Dunn, Minnie,	Scotland Neck.
Farmer, Eva,	Wilson.
Faucette, Lena,	Lenoir.
Ferrell, John Atkinson,	Clinton.
Flinton, Estelle,	Rougemont.
Fonville, DeRoy,	Elon College.
Forbes, Marshall Bray,	Shiloh.
Foust, Mrs. Sallie M.,	Greensboro.
Fuller, Mrs. Susie Webb,	Warren Plains.
George, Katie,	Wilmington.
Graham, Neill Ray,	Charlotte.
Hackney, Bessie,	Durham.
Hall, Willie T.,	Caldwell Institute.
Hamby, Andrew Cleveland,	Rock Spring.
Harden, S. G.,	Reidsville.
Harris, Eugene,	Wadeville.
Hassell, Francis Sylvester,	Williamston.
Henderson, Rebecca Lee,	Yanceyville.
Henson, Joseph B.,	Choestoe, Ga.
Higdon, Thomas Bragg,	Higdonville.
Hines, Julian Colegate, Jr.,	Morven.
Hocutt, John Caswell,	Chapel Hill.
Hodgin, Bertha,	Greensboro.
Holahan, Mrs. Winifred,	Chapel Hill.
Holmes, Howard Braxton,	Elon College.
Howe, George,	Chapel Hill.
Hume, Thomas, Jr.,	Winston-Salem.
Huskabee, Ora,	Albemarle.
Huske, Mary Weldon,	Fayetteville.
Hutchison, Susan,	Charlotte.
Ingram, James Calvin,	Palmerville.
Irwin, James Preston,	Charlotte.
Jerkins, Mrs. S. C.,	Newbern.

Johnston, Mrs. T. E.,	Salisbury.
Jones, Mary Best,	Goldsboro.
Jordan, Strowd,	Caldwell Institute.
Keller, John H.,	Mount Pleasant.
Kenyon, Mary Frances,	Hillsboro.
Kerley, Alonzo Commodore,	Morganton.
Kibler, William Herbert,	Morganton.
King, Emma,	High Point.
King, Gray R.,	Wilson.
Kirk, Verona,	Palmerville.
Kluttz, Ada,	Albemarle.
Kluttz, Mrs. A. A.,	Chapel Hill.
Lambe, Eliza,	Williamston.
Lasley, Cora,	Oaks.
Leggett, Jennie,	Scotland Neck.
Leslie, Annie,	Oaks.
Leslie, Laura,	Concord.
Lewis, Mittie,	Goldsboro.
Lindsay, Seaton Gales,	Lindsay.
Long, Mattie,	Chapel Hill.
Lynch, Nannie,	University Station.
McAllister, George Franklin,	Mount Pleasant.
McCauley, Cora,	Chapel Hill.
McCullers, Claudia,	McCullers.
McDuffie, J. F,,	Roxboro.
McIver, Claude,	Graham.
McIver, James Harry,	Charlotte.
McKinnie, Birdie,	Reidsville.
MacNider, George Mallett,	Chapel Hill.
McNider, James Small,	Chapanoke.
McRae, Mrs. C. F.,	Wilmington.
McRae, Mrs. J. C ,	Chapel Hill.
Maddry, Charles Edward,	Hillsboro.
Mangum, Mrs. C. S..	Chapel Hill.
Mangum, Ernest P.,	Wilson.
Mann, Wade Hampton,	Saxapahaw.

Martin, Annie,	Winston-Salem.
Martin, Sadie,	Winston-Salem.
Matthews, Bertha,	Durham.
Matthews, Ruth,	Hamilton.
Meade, William H.,	Chapel Hill.
Meares, Thomas Davis,	Wilmington.
Merritt, Robert Amsei,	Smithfield.
Mickle, Robina,	Winston-Salem.
Moore, William Milliken,	Lenoir.
Morrow, Rufus Clegg,	Oaks.
Morrow, Selina,	Oaks.
Mosely, Fannie,	Kinston.
Moss, W. T. D.,	Chapel Hill.
Murchison, Marie,	LaGrange.
Nichols, Bertha,	Roxboro.
Noble, Albert Morris,	Selma.
Nunn, Etta,	Newbern.
Nye, Fernando Cortez,	Winterville.
Osborne, Josephine,	Charlotte.
Parker, David Preston,	Stephenville, Tex.
Patterson, Janie,	Old Hundred.
Patton, George,	Elon College.
Payne, Elizabeth,	Wilmington.
Pearson, Joseph Edward,	Riggsbee.
Pender, Thomas Ogburn,	Joppa.
Perry, Rex William,	Pendleton, S. C.
Pescud, Belle,	Raleigh.
Pescud, Jennie,	Raleigh.
Phipps, Emma,	Fern.
Pickard, Blanche Pamelia,	Chapel Hill.
Plummer, Mrs. C. E.,	Belhaven.
Plyler, Marion Timothy,	Chapel Hill.
Porter, Mary,	Saluda.
Pratt, Mrs. J. H.,	Chapel Hill.
Pressly, Mary,	Albemarle.
Prince, William Meade,	Chapel Hill.

Randolph, Arthur Grier,	Charlotte.
Randolph, Edgar Eugene,	Charlotte.
Rankin, Blanche,	Whitsett.
Rawles, Elizabeth,	Durham.
Rhew, Emma,	Rougemont.
Rollins, Eugene Marvin,	Holly Springs.
Roberson, Nellie,	Chapel Hill.
Rountree, Louis Gustavus,	Brooklyn, N. Y.
Satterthwait, Ada,	Sidney.
Satterthwait, Ida,	Sidney.
Scarborough, Myrtle,	High Point.
Scott, Hattie,	Asheville.
Sherrill, Oscar,	Catawba.
Sherrod, Lillian,	High Point.
Shivers, Virginia,	Battleboro.
Shuford, Osie,	Gastonia.
Sibley, Mrs. S. S.,	Chapel Hill.
Sifford, Ernest,	Charlotte.
Simpson, Evander,	Roseboro.
Smith, Jessie,	Dunn.
Smith, Mary Herbert,	Scotland Neck.
Smith, Willie,	Durham.
Stafford, William Faris	Fayetteville.
Stanford, Carrie,	Teer.
Stanford, Margaret,	Teer.
Strayhorn, Charles,	Hillsboro.
Strowd, Thomas W.,	Chapel Hill.
Sugg, Annie,	Chapel Hill.
Sutton, Frances,	LaGrange.
Swain, John Edward,	Democrat.
Swift, Wiley Hampton	Greensboro.
Swindell, Myrtle,	Belhaven.
Sykes, L. E.,	Rock Springs.
Tabor, George Leroy,	Chapel Hill.
Tankard, Irene,	Bath.
Taylor, Ada,	LaGrange.
Taylor, Rodema,	Efland.

Terrell, Leona,	Cedar Grove.
Thompson, Julia,	Joppa.
Tighe, R. J.,	Asheville.
Thompson, Walter,	Concord.
Tomlinson, Annie,	High Point.
Turner, Myra,	Hillsboro.
Tyson, Lillie Russell,	Salisbury.
Underwood, Samuel M.,	Gray Chapel.
Venable, Cantey McDowell,	Chapel Hill.
Wakefield, Lula,	Lenoir.
Walker, Essie,	Coinjock.
Ward, Mary,	Asheville.
Warren, Mrs. Corinna C.,	Durham.
Warren, John Waddell,	Edenton.
Warren, Nannie,	Corbett.
Watson, Nita,	Henderson.
Webb, Lucie,	Warren Plains.
Webb, Mary,	Scotland Neck.
Webb, Mrs. M. B.,	Chapel Hill.
Whitaker, William Asbury, Jr.,	Winston-Salem.
White, George W.,	Guilford College.
Whitehead, Elizabeth,	Scotland Neck.
Whitley, Mariana,	Williamston.
Whitsett, Mrs. G. W.,	Greensboro.
Williams, Mrs. H. H.,	Chapel Hill.
Williams, John Roberts,	Apex.
Williams, Robert Ransom,	Newton.
Wilson, C. W.,	Scotland Neck.
Wilson, Grace,	Baltimore, Md.
Wilson, Luna,	Caldwell Institute.
Wilson, O'Nora G.,	Baltimore, Md.
Winborne, Mary,	Beaufort.
Winborne, James Wallace,	Mege.
Windley, Lena,	Washington.
Winfield, Mrs. Florence,	Chocowinity.
Woltz, Albert Edward,	Lenoir.
Zerban, Fritz,	Germany.

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THE UNIVERSITY LIBRARY.

OFFICERS.

EBEN ALEXANDER, PH.D., LL.D., *Supervisor.*
CHARLES LEE RAPER, PH.D., *Committeeman.*
CHARLES ALPHONSO SMITH, PH.D, *Committeeman.*
LOUIS ROUND WILSON, A.M., *Librarian.*
CHARLES CARROLL BARNHARDT, *Assistant.*
JAMES STEVENS KERR, *Assistant.*
ROY MELTON BROWN, *Assistant.*
CHARLES JAMES HENDLEY, *Assistant.*

The University Library contains forty-two thousand five hundred and ninety-four volumes and about sixteen thousand pamphlets. The collection of books is being re-classified and re-catalogued according to the Dewey, or decimal system.

The Dialectic and Philanthropic Literary Societies have made a donation of their valuable collections to the Library, and have provided for its perpetual endowment. The official title of the Library is now The Library of the University of North Carolina endowed by the Philanthropic and Dialectic Literary Societies.

The funds available for the increase of the Library are expended under the direction of the Supervisor, the Librarian, and the Library Committee, with special reference to the instruction given in the University. The annual increase from purchase, bequests, and exchanges averages about one thousand volumes. The books are carefully classified and catalogued by author, subject, and title.

Extensive improvements in the arrangement and administration of the Library have been made in the direction of better light, more room, and greater efficiency and comfort. The Librarian and the Assistant Libra-

rians are in attendance to give help in any line of research or reading. The reading room is supplied with the best foreign and American periodicals and the leading newspapers of the State and Nation. The students of the University have access, under necessary limitations, to the book-shelves. The Library and reading room are open on week days from 8:45 A. M. to 1:15 P. M., and from 2:00 P. M. to 5:00 P. M.; on week day evenings, Saturday excepted, from 7:30 P. M. to 9:00 P. M.; on Sunday from 2:45 P. M. to 3:45 P. M.

During the year the University has received from Miss Mary Groome, of the Class of 1902, and from Mr. Eugene Morehead Armfield, of the Class of 1888, two gifts in money which it has set apart to serve as two special Library funds. The collections which have been established by means of these gifts are known as the Groome Collection of Southern Poetry and the Armfield Collection of English Philology.

Again the University has received the hearty support of the Philanthropic and Dialectic Literary Societies in carrying on the work of Library re-organization.

The University acknowledges other gifts to the Library during the year from Cyrus Adler, Agricultural and Mechanical College, American Museum of Natural History, Atlanta Carnegie Library, Chas. Baskerville, H. W. Bell, Boston Public Library, Mrs. Bridgers, J. D. Bruner, Wm. Cain, Carnegie Institution, Carnegie Steel Company, Charlotte Carnegie Library, Chronique de France Pub. Co., Walter Clarke, W. C. Coker, W. H. Collins, Geo. Davidson, Pierre De Caubertin, D. L. Gore, S. B. Gosnold, Harvard University, Archibald Henderson, L. L. Hobbs, Alex. Hogg, George Howe, Imperial Japanese Commission, Indiana General Assembly, Iowa State Historical Society, Jewish Society of America, John Crerar Library, Miss Alice Jones, J. Y. Joyner, C. O. Kahler, Kansas State Historical Society, W. W. Kitchin, Lafayette College, Library of Congress, Maryland Bureau of Labor and Statistics, Massachusetts Bureau of Labor and Statistics and State Board of Charities, H. E. Mowen, New Jersey State Library, New York State Library, North Carolina Government and Officers, Ohio State Historical Society, Pennsylvania Historical Society and Sons of the Revolution, J. S. Pierson, Providence Public Library, F. L. Riley, Royal Society of Canada, St. Louis Public Library, M. O. Sherrill, Sigma Nu Fraternity, C. A Smith, Smithsonian Institu-

tion, State Normal and Industrial College, E. H. Taylor, W. D. Toy, Trinity College Library, Union Club of New York City, United States Superintendent of Public Documents and other Federal Officers and Departments, University of Chicago, J. I. Vance, F. P. Venable, West Virginia Bureau of Labor and Statistics, H. V. Wilson, Wisconsin Historical Society, Yackety Yack Committee, Young Men's Christian Association of America, Advocate of Peace, American Economist, Case and Comment, Caucasian, Central Presbyterian, Chapel Hill News, Christian Advocate, Columbia University Quarterly, Commonwealth, Duplin Journal, Exchanges of the Tar Heel and of the University Magazine, Fayetteville Observer, Fisherman and Farmer, Franklin Times, Gospel Messenger, Greensboro Record, Harbinger, Henderson Times, Herald of Gospel Liberty, Hickory Democrat, Hickory Press, Homiletic Review, King's Weekly, La Grange Sentinel, Lenoir Topic, Mooresville Enterprise, Morganton News-Herald, New Voice, Newton Enterprise, Polk County News, Presbyterian Standard, Progressive Farmer, Raleigh Christian Advocate, Raleigh Times, Religious Herald, Roanoke-Chowan Times, Salvation, Smithfield Herald, Sound Currency, Southern Presbyterian, Statesville Landmark, Success, Sylvan Valley News, Tar Heel, Technology Review, Texas School Journal, Texas Quarterly, Trinity Archive, Twin-City Daily Sentinel, University Magazine, Virginian-Pilot, Watchtower, Webster's Weekly, Williamston Enterprise, Wilmington Messenger, Wilson Times, Windsor Ledger, Woman's Home Companion.

THE WILLIAM PRESTON BYNUM, JR., GYMNASIUM.

ALFRED DANA BROWNE, *Instructor in Physical Training.*

The William Preston Bynum, Jr., Gymnasium, the gift of Judge William Preston Bynum, in memory of his grandson, William Preston Bynum, Jr., of the class of 1893, is a handsome, two-storied brick building, furnished with modern apparatus, swimming pool, baths, lockers, and running track. It contains also the trophy room and the office of the Instructor in Physical Training.

Exercise in the Gymnasium is required three hours a week of all the students in College except Seniors. A thorough physical examination of each student is made in the fall, and, in case students desire it, another in the spring. The measurements are indicated in a Prescription of Exercise pamphlet and are furnished to the students free of charge in the fall term. This book contains directions for the developing of every part of the body as well as suggestions on hygiene and personal care of the body; it is free from technicalities and confusing terms. Too much importance cannot be attached to the physical examination, since it enables the student to work intelligently and economize his time. The physical examination is designed to aid the student by pointing out defects, and causing him to direct his efforts toward the correction of them.

LABORATORIES AND MUSEUMS.

THE PHYSICAL LABORATORY.

JOSHUA WALKER GORE, C. E., DIRECTOR and *Professor of Physics.*
JAMES EDWARD LATTA, A.M., *Associate Professor of Physics.*
GUSTAVUS CHAMBERS CRAWFORD, A.M., *Associate Professor of Physics.*
ALBERT WHITEHEAD LATTA, PH.B., *Assistant in Physics.*

The Physical Laboratory occupies the eastern half of the main floor and almost the whole of the basement floor of the Alumni Building, amounting to about seven thousand square feet of floor space.

The main floor is divided into a lecture room, an apparatus room, laboratory for students in the general course, Physics 1, and a laboratory for X-ray and photometric work.

In the rooms of the basement are located the dynamos, motors, electrical laboratory, electric furnaces, storage battery, and the workshops for wood and metal.

A special appropriation granted by the Legislature in 1903, has made it possible to equip the Physical Laboratory with standard types of electrical machines: dynamos, motors, transformers meters, switchboard, storage battery, electric furnace, and the accessories, needed for practical instruction in electrical engineering. The facilities for the general teaching of Physics experimentally have likewise been increased.

The electric light and central heating plants constitute valuable adjuncts to the laboratory.

THE CHEMICAL LABORATORY.

FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., DIRECTOR and *Professor of Theoretical Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*
JAMES EDWARD MILLS, PH.D., *Associate Professor of Chemistry.*
ROYALL OSCAR EUGENE DAVIS, PH.D., *Instructor in Physical Chemistry.*
WILLIAMS MCKIM MARRIOTT, S.B., *Assistant in Chemistry.*
WADE HAMPTON OLDHAM, *Assistant in Chemistry.*
EDGAR EUGENE RANDOLPH, A.B., *Assistant in Chemistry.*

The building formerly known as Person Hall is now used as the Chemical Laboratory. It has been enlarged and forms a convenient and well-arranged system of laboratories for a limited number of workers. The rooms are eleven in number and contain about six thousand square feet of floor space. The pitch of the rooms is twenty feet, and they are lighted by numerous large windows, five feet by ten in size.

There is a large lecture room with a seating capacity of one hundred and fifty. The sides and rear of the room have glass cases for the display of a handsome line of specimens, scientific and technical. The room is lighted by electricity and gas. In addition to its use as a lecture room, it is used as a place of meeting by the Elisha Mitchell Scientific Society.

Adjoining the lecture room is the private laboratory of the Director, and a smaller room for the storage of specimens and finer apparatus. The west wing of the laboratory is divided into laboratories for qualitative and quantitative analysis, furnishing desk-space for one hundred and twenty-two and twenty-eight students respectively. There is a small room, cut off from the other laboratories, in which dangerous or disagreeable experiments may be performed.

The rear portion of the laboratory is almost a reproduction of the front in size and outline. It is divided into a balance room, containing nine modern balances and one assay balance, a library, a room with desk-space for five students in special work, an assay room provided with a set of gas furnaces, a laboratory for toxicological, physiological, or other special work, and a store room. In the assay room is placed a large still, which provides an abundance of distilled water.

The laboratories are supplied with water providing good suction. A new and modern gas machine, which supplies ample heat, has recently been installed. The average expenditure for apparatus amounts to fifteen hun-

dred dollars annually. Recently apparatus for gas analysis and many lines of technical work have been purchased; also a new vacuum pump, electric furnace, Steinheil grating spectroscope, and other apparatus for refined and accurate work. A room has been fitted up in the New West Building for work in physical chemistry. Another room in the basement of Alumni Hall is provided with electric furnaces and the modern apparatus for demonstration of the application of electricity to chemical technology.

THE BIOLOGICAL LABORATORY AND MUSEUM.

Henry Van Peters Wilson, Ph.D., Director and *Professor of Zoology.*
William Chambers Coker, Ph.D., *Associate Professor of Botany.*
William Herbert Kibler, *Assistant in Zoology.*
Robert Frederick Leinbach, *Assistant in Zoology.*
William Gray Amick, *Assistant in Zoology.*
Harry Ardell Allard, *Assistant in Botany.*

The Biological Laboratory occupies the fourth floor and a part of the third floor of the New East Building, and includes a lecture room, a main laboratory, three smaller laboratories for advanced students in Zoology and Botany, two private workrooms, and a storeroom. The entire floor space is something over four thousand square feet.

The equipment is especially adapted to the needs of modern microscopical work, and includes compound and dissecting microscopes, microtomes, parafin and hot air baths, incubator, camera lucidas, immersion lenses, etc. All rooms in the laboratory are supplied with running water. In addition to the sinks, there are several large aquarium tables in which living animals may be kept for breeding purposes, study of their habits, or class work.

The museum collections are arranged in cases in the main laboratory. The marine fauna of the Atlantic coast is well represented. There are very serviceable collections of bird skins, bird eggs, insects, algae, and flowering plants. Students engaged in advanced zoological work have access to microscopic preparations, illustrating the classification, anatomy, and development of sponges and corals, the histology of medusae, the development of amphibia and teleosts, and other subjects of morphological

interest. Students of Botany have the use of many preparations illustrating the anatomy and embryology of plants. The departmental library includes many valuable books of reference, treatises, zoological and botanical journals.

THE GEOLOGICAL LABORATORY AND MUSEUM.

COLLIER COBB, A.M., DIRECTOR, and *Professor of Geology and Mineralogy.*
JOSEPH AUSTIN HOLMES, S.B., *State Geologist, Professor of Mining Geology.*
JOSEPH HYDE PRATT, PH.D., *Professor of Economic Geology.*
ROBERT GILLIAM LASSITER, *Assistant in Field Geology.*
GEORGE MALLETT MACNIDER, *Assistant in Geology.*
REX WILLIAM PERRY, *Assistant in Geology.*

The Geological Laboratory occupies the first floor of the New East Building. In addition to a lecture room with a seating capacity of about ninety, there is a large laboratory supplied with working collections of minerals, rocks, and fossils, and with photographs, maps, and models illustrating geological structure. The laboratory is furnished with two petrographical microscopes, and with apparatus for the slicing and polishing of rocks. Microscopic slides have been made of most of the specimens from North Carolina; and the department has, also, sections of the typical European rocks. Sections of the rocks around Chapel Hill, and the igneous rocks of the Boston Basin, made by the late Hunter Lee Harris, of the class of 1889, were given to the geological department. A room for photographic work has recently been added.

The University possesses a collection of more than two thousand specimens of typical rocks and minerals from various European localities, and of large specimens of building stones, coals, and various products illustrating the economic geology of the State. These are arranged in an exhibition room of six hundred and fifty square feet of floor space. Here are kept also the sections taken with a diamond drill in the coal regions of Pennsylvania, in the region around King's Mountain, where the Summer School of Geology held its sessions, in the Dan River coal fields and in the Triassic Rocks at Durham, N. C. A complete set of the ores of the

precious metals found along the line of the Atchison, Topeka, and Santa Fé Railroad is included in the collection. Valuable additions have been made to the collections of fossils also, affording increased opportunity for laboratory work in historical geology and palaeontology. The collection illustrating economic geology has been largely increased.

The department library, which occupies a room adjoining the exhibition room, is supplied with State and United States Reports, the papers of working geologists, the best works upon Geology, and scientific periodicals.

THE UNIVERSITY ORGANIZATIONS.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

The Dialectic and Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University, and they have shown remarkable power in developing character as well as in training the intellect. They offer facilities for practice in debate, oratory, declamation, and essay writing; and their members become practically familiar with parliamentary law and usage.

Each society owns a large, handsomely furnished hall, the walls of which are hung with oil portraits of illustrious members. Meetings are held by each society every Saturday evening during the college year, admission being confined to members. Public contests in debate between the two societies are conducted twice a year and, in addition to these, there is a system of intercollegiate debates. On Monday evening of Commencement week the Inter-society Banquet is held, after which each society has its annual reunion. On Tuesday evening preceding Commencement Day four representatives elected from the two societies have a public competition in debate, and a prize is awarded to the successful competitors.

By immemorial custom, students from the eastern half of the State usually join the Philanthropic Society, while those from the western half join the Dialectic Society. Although membership in the Societies is entirely optional, yet it is earnestly recommended by the Faculty as furnishing unusual opportunities not only for literary culture, but also for the development of self-control and the power to persuade and control others.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY.

WILLIAM CAIN, C.E., *President.*
JAMES EDWARD MILLS, PH.D., *Vice-President.*
FRANCIS PRESTON VENABLE, PH.D., D.SC., LL.D., *Permanent Secretary and Treasurer.*
ALVIN SAWYER WHEELER, PH.D., *Recording Secretary.*

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A Journal, which is the official organ of the North Carolina Academy of Science, is issued quarterly. The object of the Society is to encourage scientific research and to record such matters as pertain to the natural history of the State. The membership is at present restricted to the Faculty and students of the University, and members of the staff of the Geological Survey.

At the monthly meetings, which are ordinarily held on the second Tuesday of each month, excellent opportunities are afforded the students to get beyond the ordinary routine of the class room by hearing, reading, and discussing papers on scientific subjects.

The Journal is in a measure a bulletin of the scientific laboratories of the University, and contains many articles written by research students. It is now in the twenty-first year. The volumes already issued contain twenty-two hundred pages. By the exchange of the Journal with more than three hundred scientific journals and periodicals, over ten thousand books and pamphlets have been collected, all of which are arranged in the University Library.

NORTH CAROLINA HISTORICAL SOCIETY.

KEMP PLUMMER BATTLE, LL.D., *President.*
CHARLES LEE RAPER, PH.D., *Vice-President and Permanent Secretary.*
MARCUS CICERO STEPHENS NOBLE, *Treasurer.*
JOHN HENRY VAUGHAN, PH.B., *Recording Secretary.*

The North Carolina Historical Society was founded in 1843 by the Hon. David L. Swain, LL.D., President of the University. Under his leader-

ship it became the centre of historical work in the State and the medium of many notable contributions to State history. On March 22, 1875, through the activity of Dr. Battle, the Society was chartered by an act of the General Assembly. The purpose of the Society is to collect, classify, investigate, and publish material illustrative of the history of the State. The Historical Society possesses a valuable collection of books, pamphlets, manuscripts, newspaper files, coins, and other subjects of historic interest. The educational aim of the Society is to create a love for historical study and to give training in scientific methods of historical investigation. To this end meetings are held monthly in the History lecture room, at which papers, based on original research, are read and discussed. All members of the University are eligible to membership.

THE SHAKSPERE CLUB.

THOMAS HUME, D.D., LL.D., *President.*
JOHN MCLAREN MCBRYDE, PH.D., *Vice-President.*
ISAAC CLARK WRIGHT, *Secretary.*

The Shakspere Club was organized in October, 1885, for the special purpose of giving impulse and guidance to scholarly investigation of the great dramatist. But an important aim was to offer opportunity for comparative studies in the dramatic literature of ancient and modern languages, and also to excite interest in the art of literary composition. Seminary methods are pursued by advanced students, and the results are presented in papers. The Club has a small but valuable collection of special reference books. Meetings are held monthly.

THE PHILOLOGICAL CLUB.

CHARLES ALPHONSO SMITH, PH.D., *President.*
JOHN MCLAREN MCBRYDE, PH.D., *Vice-President.*
GEORGE HOWE, PH.D., *Secretary and Treasurer.*

The Philological Club meets on the first Tuesday evening of each month during the college year. Its membership consists of the instructors and advanced students in the language departments of the University. The

object of the Club is to stimulate original investigation in philology and to afford an opportunity for the interchange of views on subjects relating to such work. At each meeting papers are read and discussed. All persons interested in the work of the Club are invited to attend its meetings.

THE ECONOMICS SOCIETY.

CHARLES LEE RAPER, PH.D., *President.*
JOHN KENYON WILSON, *Secretary.*

The Economics Society, to which any advanced student of Economics and Finance may belong, meets twice a month for the discussion of Southern industrial problems.

No other section of the United States has so many important and interesting economic problems to solve as the Southern States at the present time. The Economics Society was organized under the conviction that the intelligent Southern man is the one upon whom the solution of these problems rests.

The following are some of the problems which have been considered during the current year: The South as a place of manufactures; Southern white labor; Southern negro labor; Southern wages; Southern labor unions; Child labor in Southern factories.

THE MODERN LITERATURE CLUB.

CHARLES ALPHONSO SMITH, PH.D., *President.*
THOMAS BRAGG HIGDON, *Vice-President.*
FRANK MCLEAN, *Secretary and Treasurer.*

In December, 1904, the Modern Literature Club was formed. It is composed of the members of the Faculty and student body who are interested in modern literary movements, and who signify their willingness to read original papers at the monthly meetings of the Club. This organization fills a niche in University life and has already vindicated the wisdom of its founders.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

CHARLES CARROLL BARNHARDT, *President.*
WALTER BENNETT LOVE, *Vice-President.*
WILLIAM SHEARER HUNTER, *Secretary.*
WILLIAM HENRY LEE MANN, *Treasurer.*

The Young Men's Christian Association is a voluntary organization of the students of the University, and is entirely under their management. The Faculty are in sympathy with the Association, and render service whenever requested to do so.

The object of the Association is to promote growth in grace and Christian fellowship among its members and aggressive Christian work among the students. To this end three meetings are held every week.

The Association is now erecting a new building which is to cost twelve thousand dollars.

More than one hundred students are enrolled in the Bible classes taught by members of the Association. During the next session five Bible courses and one Mission course (in three sections) will be offered as follows:—

Messrs. SPRUILL, WITHERS, FORE, JOHNSON, COBB, JUDD, BROWN.

1. Life of Christ.

   A practical, comprehensive course, based on the life of Christ as presented in the four Gospels, with special reference to the historical development and application of His teachings.

Messrs. HESTER, HUGHES, DAY, and ROSE.

2. Studies in the Acts and Epistles.

   With reference to the spread and development of the Christian Church, based on a careful study of the Acts of the Apostles and the Epistles of Paul.

Messrs. MILLER, MANN, and LEONARD.

3. Old Testament Characters.

   Arranged for daily, personal study with reference to the lives and work of Old Testament heroes.

Messrs. CLAYTOR and LOVE.

4. (*a*) Teaching of Jesus and His Apostles.
   (*b*) The Apostolic Conception of Jesus and His Mission.

Professor BATTLE.

5. Old Testament Characters.

Lectures on Sunday, in the University Chapel, 9–9:30 A. M.

Messrs. CLAYTOR, HUNTER, HIGHSMITH, SHANNON, HERRING, DAVIDSON.

6. Missions.

(*a*) Effective workers in needy fields.

(*b*) Regeneration of Japan.

(*c*) Medical missions.

Courses 1, 2, 3, and 4 are given on Sunday, 12:30–1:30 P. M. Course 6 is given on Sunday evening.

ONE HUNDRED AND NINTH COMMENCEMENT (1904).

SUNDAY, MAY 29.

BACCALAUREATE SERMON.

The Reverend James Isaac Vance, D.D.

SERMON BEFORE THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Reverend G. H. Detwiler, D.D.

TUESDAY, MAY 31.

THE ALUMNI ADDRESS.

Hon. Francis Donnell Winston, Esquire, Class of '79.

THE DEBATE BY REPRESENTATIVES FROM THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

Dialectic.	*Philanthropic.*
Charles Walter Miller,	Henry Stuart Lewis,
Charles Carroll Barnhardt.	John Kenyon Wilson.

WEDNESDAY, JUNE 1, COMMENCEMENT DAY.

SENIOR SPEAKERS.

Erasmus Alston Daniel, Jr.,	Lawrence Erastus Rudisill,
James Horner Winston,	Edgar Samuel Williamson Dameron.

THE COMMENCEMENT ADDRESS.

John Huston Finley, PH.D., LL.D.

DEGREES IN COURSE.

Bachelors of Arts.

Gray Archer,
Clarence Edward Betts,
Addison Gorgas Brenizer, Jr.,
Albert Lyman Cox,
Edgar Samuel Williamson Dameron,
Erasmus Alston Daniel, Jr.,
William Wooten Eagles,
William Fisher, Jr.,
Fletcher Harrison Gregory,
Severn Green Haigh,
Alfred Williams Haywood, Jr.,
William Picard Jacocks,
Graham Kenan,
Wade Hampton Mann,
Robert Oliver Miller,
George Willis Oldham,
Edgar Eugene Randolph,
Willie Calvin Rankin,
Sidney Swaim Robins,
Lawrence Erastus Rudisill,
Charles Phillips Russell,
Marshall Cobb Staton,
Theodore King Sutton,
James Horner Winston.

Bachelors of Philosophy.

Ernest Franklin Bohannon,
Edward Augustus Council,
Virgil Clayton Daniels,
William Dunn, Jr.,
Neill Ray Graham,
Ralph Moore Harper,
Thomas Felix Hickerson,
Rolanda Clarence Holton,
Andrew Hall Johnston,
Albert Whitehead Latta,
Luther Bynum Lockhart,
Walter Frederick McCanless,
Evander McNair McIver,
John Sprunt Newton,
William Ewell Osborne,
Ernest Linwood Sawyer,
Ernest Sifford,
John Henry Vaughan,
William Asbury Whitaker, Jr.,
Harry Wooding Winstead,
Walter Poole Wood.

Bachelors of Science.

Harry Barber Frost,
Lawrence Shackleford Holt, Jr.,
James Preston Irwin,
George Anderson Johnston,
Williams McKim Marriott,
Theodore Davidson Morrison,
Wesley Benton Owen, Jr.,
John Henry Pearson, Jr.,
Welborn Earl Pharr.

Bachelors of Laws.

Theodore Garfield Britton,
Robert Withington Herring, Ph.B., 1903,
Joseph Bunn Ramsey.

Graduates in Pharmacy.

Numa Duncan Bitting,
John Gustavus Greene,
John Thomas Howell,
John Bunyan LeGwin.

Master of Science.

Robert Arthur Lichtenthaeler, S.B., 1902.

Masters of Arts.

William Stanly Bernard, A.B., 1900,
Albert Lyman Cox,
William Jones Gordon, A.B., 1903,
Joseph Bascomb Huff, A.B., *Wake Forest*, 1902,
Alice Edward Jones, Ph.B., 1900,
Marvin Hendrix Stacy, Ph.B., 1902.

*Doctors of Medicine.

Zebulon Marvin Caveness,
Willis Dowd Gilmore,
William DeBerniere MacNider,
Martin Luther Matthews.

* Degrees conferred May 5, 1904, at the closing exercises of the Medical School.

HONORARY DEGREES.

Doctor of Letters.

Robert Paine Pell.

Doctor of Laws.

Charles Duncan McIver.

MEDALS, PRIZES, AND FELLOWSHIPS.

The Hume Medal: Charles Phillips Russell.

The Harris Prize: Robert Frederick Leinbach.

The Greek Prize: Victor Lee Stephenson.

The Worth Prize: Sidney Swaim Robins.

The Library Prizes: Thomas Bragg Higdon, Otho Bescent Ross.

The Early English Text Society Prize: Louis Round Wilson, A.M.

The Bingham Prize: Henry Stuart Lewis, of the Philanthropic Society.

The Bryan Prize: John Kenyon Wilson.

The Mangum Medal: Edgar Samuel Williamson Dameron.

The Bradham Prize: John Bunyan LeGwin.

The Hill Fellowship: John Henry Vaughan.

CERTIFICATES.

Chemistry: E. F. Bohannon, J. P. Irwin, G. A. Johnston, R. A. Lichtenthaeler, L. B. Lockhart, W. M. Marriott, Ernest Sifford, W. A. Whitaker.

Economics: A. H. Johnston, W. E. Osborne, E. L. Sawyer.

English: N. R. Graham, J. B. Huff, W. F. McCanless, E. E. Randolph, C. P. Russell.

FRENCH: Gray Archer, W. P. Jacocks, W. E. Osborne, W. C. Rankin, J. H. Winston.

GEOLOGY AND MINERALOGY: R. A. Lichtenthaeler.

GERMAN: W. C. Rankin.

GREEK: W. H. Mann.

HISTORY: E. E. Randolph, E. L. Sawyer, J. H. Vaughan.

LATIN: Gray Archer, W. C. Rankin, J. H. Winston.

PEDAGOGY: G. A. Johnston, W. E. Osborne, J. H. Vaughan.

PHYSICS: A. L. Cox, T. F. Hickerson, H. B. Frost, T. D. Morrison, J. H. Pearson.

THE ASSOCIATION OF THE ALUMNI.

THE GENERAL ASSOCIATION.

THOMAS STEPHEN KENAN, A.B., *President.*
HENRY ARMAND LONDON, A.B., *Secretary.*

The membership includes all persons who have matriculated at the University of North Carolina in any department except the Summer School, and all who are or have been officers of the institution.

An effort is now being made to accomplish a more thorough organization of the Alumni. The desire is that the individual alumni shall form into Local Alumni Associations in every community. These Local Associations are to form by proportional representation the General Association of the Alumni. The next meeting of the General Association will be held in Gerrard Hall at the University at the Commencement in June, 1905 Local Associations have been formed in certain cities and others will be established in the course of the year. It is hoped that every alumnus will concern himself in assisting the organization in his county or town. A printed statement of the plan of organization has been prepared and will be supplied on request. Inquiries should be directed to Mr. James C. Taylor, Secretary of the Alumni, Chapel Hill, N. C.

Additions and Corrections.

To the roll of STUDENTS, pages 109–130, are to be added the names of the following, who were registered late in the session:

SOPHOMORE CLASS.

NAME.	YEAR.	RESIDENCE.
Boone, Elmer William,	*Elect.*,	Graham.

STUDENTS IN PHARMACY.

Hunter, Thomas White,	*First*,	Charlotte.
Young, Cadmus Turner,	*Second*,	Clayton.

On page 112, in place of Burwood, George Norwood, read Butler, George Norwood.

Under the PHILOLOGICAL CLUB, page 157, read:

GEORGE HOWE, PH.D., *Vice-President.*
JOHN MCLAREN MCBRYDE, JR., PH.D., *Secretary and Treasurer.*

GENERAL SUMMARY.

Boards of Government and Instruction and Other Officers.

Trustees		82
Professors	38	
Instructors	11	
Assistants	17	
		— 66
Summer School Faculty	25	
Other Officers	10	

Students.

THE COLLEGE:—		
Senior Class	63	
Junior Class	66	
Sophomore Class	113	
Freshman Class	166	
		— 408
THE GRADUATE DEPARTMENT		34
THE LAW DEPARTMENT:—		
Students, Regular Session	51	
Students, Summer Term	50	
	101	
Deduct for names counted twice	10	
		— 91
THE DEPARTMENT OF MEDICINE:—		
Fourth-Year Students	9	
Third-Year Students	9	
Second-Year Students	27	
First-Year Students	55	
		— 100
THE DEPARTMENT OF PHARMACY:—		
Second-Year Students	7	
First-Year Students	42	
		— 49
THE SUMMER SCHOOL		238
Whole number of students		920
Deduct for names counted twice		50
		870

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